## INDEX TO VOLUME 50-METAL FINISHING

#### JANUARY-DECEMBER, 1952

(Compiled by N. Hall, Editor, and I. Oquendo, Edit. Ass't.)

In this index all material that appeared in the January through December 1952 issues of *Metal Finishing* is listed according to subject matter, with cross references where required. Following each listing will be found a letter indicating the manner in which the material was published, as follows:

(S)—Shop Problem	(T)—Technical Literature
(R)—Recent Development	(D)—Engineering Data Sheet
(P)—Patent	(L)—Letters to the Editor
(M)—Manufacturers' Literature	(A)—Abstracts from Foreign Literature

Any reference not followed by a letter was a feature article. The numbers in the right-hand column refer to the month and page numbers: 6-85 means June issue, page 85, etc.

ABRASIVES, BELTS—See Polishing	Problem	Cadmium Plating for Salt Spray Specs (S) 7-70 Iron in Cadmium Solution (S) 9-82
: ACID DIPPING—See Bright Dipping and Pickling	Anodizing Small Parts in Bulk (S) 12-73 Testing Thickness of Anodize (S) 12-73	Removal of Sodium Carbonate from Cad- mium Solutions (S)
ALLOY PLATING	ANTIMONY PLATING	Strip (S) 9- 82
Making Up Brass Bath with Copper	Antimony Coating on Steel (P) 1-80	Lowering the pH of Zinc and Cadmium Baths (S) 9-82
Anodes (S)	AUTOMATIC EQUIPMENT	24 Hour Salt Spray Cadmium Plating (S) 10-82
White Brass vs. Zinc Plating (S) 3- 76	Polishing Spoon and Fork Handles (R) 2-85	CHEMICALS
Brass Plating Maintenance Compound (R) 3-93	Automatic Plating Machine (P) 7- 72	The Role of Chelating Agents in the Plat-
Blistered Brass Plating (S)	Plating Machine (P) 9- 84	ing Industry
Diamond Plating (S)	BARREL FINISHING—See Tumbling	Availability of Scarce Plating Chemicals Announced (R)
Bearing in I. C. Engines (A) 6-121 Plating Thallium-Lead Alloys from Fl-o-	BARREL PLATING	High Quality Potassium Cyanide at Tech- nical Grade Prices (R) 4- 90
borate Baths (A) 8- 83	Film on Barrel Plating (R) 6-137 Plating Barrel (P) 8-86	nical Grade Prices (R) 4-90 New Chemical Brochure (M) 10-101 Uses of Peroxygen Compounds for Treat-
Making Up White Brass Solutions (S) 8-84 White Brass Plating at Hamilton Mfg.	Three-Point Suspension Plating Barrel and Plastic Tanks (R) 8-98	ing Metal Surfaces (M) 10-103
Corp. 9- 67 Electrodeposition of Alloys of Molvbdenum	Barrel Plating and Processing (M) 11-113 Barrel Silver Plating (S) 12-73	CHROMIUM PLATING
with Cobalt, Nickel and Iron (P) 9- 84 Zinc-Copper-Tin Alloy Plating (P) 10- 84		Successful Hard Chrome Plating — The Story of Nutmeg Chrome Corp. 1-58
Nickel-Cobalt-Phosphorus Deposits (S) 11- 87	BLAST CLEANING	Determination of Sulfate in Chromium
Electrodeposition of Cadmium-Tin Alloy (P) 12- 78	Bench Model Wet Blaster (R) 1-83 Liquid Blast Cleaning Machine (R) 1-90	Recovering Chromic Acid (R) 2- 82
ALUMINUM	Wet Blast Chemicals (R) 2- 87	Baths Using Radiobarium         1-71           Recovering Chromic Acid (R)         2-82           B.D.S. Chromizing Process (T)         2-95           Lacquering Over Chrome Plate (S)         3-77
Protal Aluminum Treatment Process for	Aircraft Firm Cleans Jet Engine Parts with Wet-Blasting Unit (R) 2- 92	Activating Nickel After Stripping Chrome
Corrosion Protection (A) 1- 76	Soft Grit Wet Blasting (P) 3-79 Wet Blasting Machine (P) 4-87	(P)
Coating for Aluminum Alloys (P)	Wet-Blasting to Eliminate Glare on Plated	The Analysis of Chromium Plating Baths
Non-Etching Aluminum Cleaner (R) 1- 91	Parts (R) 4- 95 Wet Flort Chemicals (P) 5- 87	Containing Fluorides and Fluorilicates 4-60 Bench Model Hard Chrome Plating Unit
Chromate Treatment for Aluminum (P) 2-79 New Treated Paper Solves Aluminum	Wet Blast Chemicals (R) 5-87 Blast Cleaning Machine (P) 6-123	(R) 4- 98
Water Stain Problem (R) 3- 82	Dies Cleaned by Liquid Blast Method (R) 6-141 Airless Rotoblast Barrel (R) 6-142	Profitable Chromate Wastes 5-48 Clear Lacquers for Plated Parts 5-56
New Hard Finishes for Aluminum (R) 3-90 Preparatory Treatment for Aluminum (R) 3-91	Airblast Cabinets (M) 6-167	Properties of Hard Chromium Plating (A) 5-69
Etch for Aluminum (R) 3- 92	Wet Blast Machine (R) 8- 93 Continuous Blast Cleaning (M) 8-113	Corrosion of Chrome Plating (S) 5-74 Reducing Trivalent Chromium in Chrome
Electroplating with Aluminum 4- 76 Anodizing Process (P) 4- 88	Wet Blast Cleaning (P) 11- 88	Baths (S) 5- 74
Process for Making Nickel-Coated Alum-	BRASS PLATING—See Alloy Plating	Removing Copper and Zinc from Chro- mium Baths (S) 5-74
inum (R) 4-100 Zinc Coating Process for Aluminum (P) 5-75	BRIGHT DIPPING	Calculating Chromium Plating Speeds (D) 5-77 Self-Contained Chrome Plating Machine
Hard Anodic Coating for Aluminum (P) 5-76 Aluminum Sheet "Cleanliness" Tester (R) 5-81	Faulty Zinc Bright Dipping (S) 2- 76	(R) 5- 83
New Aluminum-Plating Process	Brightening Tin-Coated Strip (P) 2- 79	Chromium Plating Baths Containing Fluorides or Fluorilicates 6-103
ANALYSIS—See Testing	Bright Dipping Barrel Zinc Plated Parts (S) 6-122	Hard Chrome Plating of Aluminum (S) 6-122
	Bright Dip for Britannia Metal (S) 7- 70	Chrome Plating Bath (P) 6-127 Calculating Chromium Plating Speeds (D) 6-129
ANODES	Bright Dip for Nickel Silver (S)	Synthetic Clear Enamel for Chrome Plate
Making Up Brass Bath with Copper	A Non-Electrolytic Smoothing Treatment	System (R) 6-134 Chromium Plating with the Bornhauser
Anodes (S)	for Steel 11- 78 A Non-Electrolytic Smoothing Treatment	Chrome Solution
Anode Bags (R) 2- 85	for Steel	Impurities in Chromium Plating Baths (S) 7-69 Rebuilding Engine Cylinders and Liners 8-67
The Nickel Situation 3-63 Cadmium-Bearing Copper for Copper Plat-	Processes of Brightening and Passivating Cadmium and Zinc (P) 12-79	Hard Chromium Plating of Piston Rings
ing (S)		Chromium Plating Taps (S) 8- 85
Crumbling Anodes (S) 8- 85	BRIGHTENERS	Purifying Chromium Baths (P) 8-86 Anode for Chromium Plating (P) 8-87
Anode for Chromium Plating (P) 8-87 Forcite Anode Basket (R) 8-90	New Bright Silver Plating Process (R) 3- 85 Addition Agent for Tin Plating (P) 6-125	Material Control in Nickel Chrome Plating 9- 64
The Production of Cast Nickel Anodes 9- 70	Silver Brightener (R) 7- 80	Faults in Chrome Plate Baths and Their Avoidance (A) 9-80
Brown on Nickel Anodes (S)	Research on Electrotin Flowing Process (A) 9- 78	Iron in Chromium Baths (S) 9- 81
ANODIZING	Radioactivity Helps Study of Silver Brighteners 12-63	Preparation of High Speed Steel for Chromium Plating (S) 9- 81
Protal Aluminum Treatment Process for	Brighteners	Removal of Excess Sulfate from a Chromium Bath (S) 9- 82
Corrosion Protection (A) 1- 76	Baths (P) 12- 78	Etching Chromium (P) 9- 84
Erratic Colors with Anodizing (S) 3-77 New Hard Finishes for Aluminum (R) 3-90	Rapid Fine-Grained Copper Electrodepo-	Hard Chrome Plating in Engineering Techniques (A) 10- 81
New Hard Finishes for Aluminum (R) 3- 90 Anodizing Process (P) 4- 88	Rapid Fine-Grained Copper Electrodeposition (P) 12- 79	Techniques (A)
New Hard Finishes for Aluminum (R) 3-90 Anodizing Process (P) 4-88 Profitable Chromate Wastes 5-48 Hard Anodic Coating for Aluminum (P) 5-76	Rapid Fine-Grained Copper Electrodeposition (P)	Techniques (A) 10-81 Dull Spots on Chromium (S) 10-82 Impurities in Chromium Baths (S) 10-83 The Effect of Copper Undercoats on the
New Hard Finishes for Aluminum (R) 3-90 Anodizing Process (P) 4-88 Profitable Chromate Wastes 5-48 Hard Anodic Coating for Aluminum (P) Some Notes on Hard-Coating Aluminum 6-110 Oxidation Speed and Crystal Structure of	Rapid Fine-Grained Copper Electrodeposition (P)	Techniques (A) 10-81 Dull Spots on Chromium (S) 10-82 Impurities in Chromium Baths (S) 10-83 The Effect of Copper Undercoats on the Protective Value of Nickel-Chromium Coatings on Steel (M) 10-102
New Hard Finishes for Aluminum (R) 3-90 Anodizing Process (P) 4-88 Profitable Chromate Wastes 5-48 Hard Anodic Coating for Aluminum (P) 5-76 Some Notes on Hard-Coating Aluminum (5-110 Oxidation Speed and Crystal Structure of Anodic Oxide Coatings (A) 8-82	Rapid Fine-Grained Copper Electrodeposition (P)	Techniques (A) 10-81 Dull Spots on Chromium (S) 10-82 Impurities in Chromium Baths (S) 10-83 The Effect of Copper Undercoats on the Protective Value of Nickel-Chromium
New Hard Finishes for Aluminum (R) 3-90 Anodizing Process (P) 4-88 Profitable Chromate Wastes 5-48 Hard Anodic Coating for Aluminum (P) 5-76 Some Notes on Hard-Coating Aluminum Oxidation Speed and Crystal Structure of Anodic Oxide Coatings (A) 8-82 Testing of Anodic Coatings (A) 8-82 Anodizing Aluminum with Sulfamic Acid 10-67	Rapid Fine-Grained Copper Electrodeposition (P)	Techniques (A) 10-81 Dull Spots on Chromium (S) 10-82 Impurities in Chromium Baths (S) 10-83 The Effect of Copper Undercoats on the Protective Value of Nickel-Chromium Coatings on Steel (M) 10-102 Faults in Chromium Plating and Their
New Hard Finishes for Aluminum (R) 3-90 Anodizing Process (P) 4-88 Profitable Chromate Wastes 5-48 Hard Anodic Coating for Aluminum (P) 5-76 Some Notes on Hard-Coating Aluminum Oxidation Speed and Crystal Structure of Anodic Oxide Coatings (A) 8-82 Testing of Anodic Coatings (A) 8-82 Anodizing Aluminum with Sulfamic Acid 10-67 Aluminum Treatments (S) 10-87 Alloy for Anodized Finishes (R) 10-90	Rapid Fine-Grained Copper Electrodeposition (P)	Techniques (A) 10-81 Dull Spots on Chromium (S) 10-82 Impurities in Chromium Baths (S) 10-83 The Effect of Copper Undercoats on the Protective Value of Nickel-Chromium Coatings on Steel (M) 10-102 Fauits in Chromium Plating and Their Avoidance (A) 12-70 CLEANING
New Hard Finishes for Aluminum (R) 3-90 Anodizing Process (P) 4-88 Profitable Chromate Wastes 5-48 Hard Anodic Coating for Aluminum (P) 5-76 Some Notes on Hard-Coating Aluminum Oxidation Speed and Crystal Structure of Anodic Oxide Coatings (A) 8-82 Testing of Anodic Coatings (A) 8-82 Anodizing Aluminum with Sulfamic Acid 10-67	Rapid Fine-Grained Copper Electrodeposition (P)	Techniques (A) 10-81 Dull Spots on Chromium (S) 10-82 Impurities in Chromium Baths (S) 10-83 The Effect of Copper Undercosts on the Protective Value of Nickel-Chromium Coatings on Steel (M) 10-102 Fauits in Chromium Plating and Their Avoidance (A) 12-70

# PLATING METHODS AND PROCESSES

This new book covers both the theory and practice of electrodeposition on metals, alloys and plastics.

Here are the basic theories and principles of electroplating—the ractical methods and processes that are of invaluable use to veryone concerned with electroplating and electrotyping. The lost efficient methods of making electrodeposits on more than 40 efferent metals, alloys and plastics are summarized completely in his thoroughly revised and enlarged book. You get simple explanations of principles of electrochemistry and physics that underlie plating processes, and of recent developments in electroposition procedures and products.

Principles of LECTROPLATING and ELECTROFORMING

(Electrotyping)

William Blum

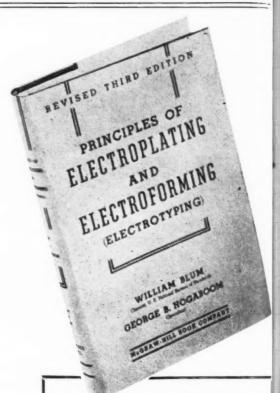
Chemist, U. S. Bureau of Standards

George B. Hogaboom

Consultant

Completely revised to make it a more practical working tool, this text summarizes and digests the best of modern practice in the field. It covers methods used for qualitative, quantitative analyses of solutions; picking, dipping; electropolishing; electroforming, electrotyping, producing phonograph record matrices, and manufacturing tubes, etc.

The metals are dealt with fully in the same order as in the periodic system of elements—making application of specific data direct and easy. You get a description of deposition on metals and plastics, and on alloys including brass, bronze, tin-zinc, nickel-molybdenum, etc. Tables show resistivities of solutions, hardness of electrodeposited metals, and other electroplating engineering tables and data, etc.



Revised and Enlarged
Third Edition
455 pages, 6 x 9,
illustrated, \$6.50

Use this handy coupor to order your copy now

METAL EINIGHTMG
METAL FINISHING 381 Broadway
Westwood, N. J.
Please send me a copy of Blum and Hogaboom's PRINCIPLES OF ELECTROPLATING AND ELECTROFORMING immediately. I have enclosed my check (or money order) for \$6.50, plus a few cents for postage charges.
Name
Address

COM

CON

N -Etching Aluminum Cleaner (R)	1- 91	Protecting Magnesium (P)	11- 88	ELECTROCLEANING-See Cleaning	
E luating Metal Cleaning Efficiency	2- 65	Method of Treating Tin Plate (P)	11- 90	ELECTROFORMING	
A sline Cleaning and Coppering Bath (S)	2- 77 2- 77	Radiometric Evaluation of the Effective- ness of the Chromic Acid Rinse Treat-			
Coaning and Preparation of Metals for	2- 95	ment for Phosphated Work	12- 54	Down by the Old Mill Stream Process for Making Nickel-Coated Alum-	4- 70
Electroplating (T)	2= 33	Phosphate Coatings (P)		inum (R)	4-100
Metal Cleaners Removing Rubber from Metals (P)	3- 66 3- 78	Cadmium and Zinc (P)	12- 79	Tubular Metallic Wave Guides (P) Electroplating in a Non-Conductive Tube	
New Washing, Metal Treating Machine		COPPER PLATING		(P)	7- 73
R) Preparatory Treatment for Aluminum (R)	3- 82 3- 91	Bright Acid Copper Bath (P)	1- 79	tion (M)	9-121
Cleaner and Neutralizer (R)	3- 91	Dummy Plating (S) The Role of Chelating Agents in the Plat-	2- 76	Engineering Electroforming (M)	9-123
Enulsion Cleaner (P) Spirits Washer Features One-Man Opera-	4- 87	ing Industry	3- 54		
tion (R)	4- 90	Copper as a Carburizing Stop-Off (S) Cadmium-Bearing Copper for Copper	3- 76	ELECTROPOLISHING	
Nen-Foaming Cleaner (R)	4- 94	Plating (S)	3- 76	Electropolishing Metals (P)	1- 80 2- 79
Parts (R) Parts Cleaning Machines (R)	4- 98	Machine for Copper Plating Wire (P) Determining Chromic Acid in Copper	3- 79	Electropolishing of Nickel and Nickel Al-	
Rust-Inhibiting Metal Cleaner (R)	4- 99	Baths (S)	4- 85	loys (A) Electropolishing Copper Alloys with A.C.	3- 72
Heavy Duty Vapor Steam Cleaner (R) Industrial Washing Machine (R)		Copper Plating for Carburizing (S) A.C. Stripping of Copper (P)	7- 72	(P)	5- 75
Simplified Cleaning (M)	6-163	Bright Copper Plating Bath (P) Purification of Acid Copper Bath (S)	1- 13	Electropolishing Stainless Steel (S) Electrolytic Polishing (P)	7- 73
Metal Cleaning Folder (M)  A Metal Cleaning Test Using Radioactive	6-167	Copper on Stainless Steel (S)	9- 81	Electropolishing of Gold Alloys (S)	8- 84
Stearic Acid as Soil	7- 49	Method of Plating Copper (P) The Effect of Copper Undercoats on the	10- 84	Brightening Gold Rings (S) Electropolishing Solutions (R)	11- 92
	7- 68	Protective Value of Nickel-Chromium	10.100	Comparative Investigations on Electropol- ishing Efficiencies of a Phosphoric-Sul-	
Cleaning Brass Stampings (S)	7- 70	Coatings on Steel (M) Bright Copper Plating from Cyanide	10-102	furic Acid Electrolyte and Acetic-Per-	
Stearic Acid as Soil - Part II	8- 77	Baths (P)	12- 78	chloric Acid Electrolytes (A) Electropolishing of Brass (A)	12- 71
Cleaner for Use in Phosphating Line (R) Spray Nozzles (M)	8- 88	Rapid Fine-Grained Copper Electrodepo- sition (P)	12- 79	Electrolytic Polishing of Stainless Steel	
Emulsion Cleaner (P)	9- 84	CORROSION RESISTANCE		(P)	12- 75
Method of Cleaning Hot-Dip Tin-Plate (P) Detergent Cleans Aluminum, Magnesium	9- 85	Nickel Plating Anode and Cathode Rods		ETCHING—See Pickling	
(R)	9- 26	(S)	1- 77	FILTERS AND PUMPS	
Washing Machine (R) Liquid Steam Cleaning Compound (R)	9- 90	(S)	1- 88	Addition Agent Pump for Plating Baths	
Alkali Cleaner "Life"	10- 72	New Corrosion-Resistant Coating for Det-		(R) Non-Corrosive Chemical Pump (R)	1- 88
Metal Cleaners (R)	0- 97	rex Degreasers (R)	1- 92	Teflon Impellers in Stainless Steel Pump	
Electrolytic Cleaner Brochure (M)	10-101	(R)	2- 92	Motorized Portable Filter (P)	1- 92
Washing and Cleaning Gun (P)	11- 88	New Treated Paper Solves Aluminum Water Stain Problem (R)	3- 82	Synclinal Filters (R) Filtration (M)	7- 79
Steam Cleaning Machine (R)		Protecting Outside of Tanks (R)	4- 95 6-130	Filtration (M)	7- 94
New Finishing Engineer Screens Metal-		Rust Inhibitor (R) De-Humidifier Protects Stored Steel		lies (R)	8- 88
working Field (M)	11-114	Against Rusting (R) Re-Galvanizing Welded Seams on Galvan-	6-142	Guide to Pump Applications (M) New Sethco Filters (R)	9-122 10- 88
Cleaning Worked Magnesium Articles (P) 1	2- 75	ized Sheet Metal (R)	6-143	New Sethco Filters (R) Sethco RLS Series Filter Pumps (R)	11- 95
Steam Cleaner (R)	Z- 85	Treatment of Aluminum (P)	8- 87 8- 87	Motor Driven Acid Pump (R) Fire Protective Transfer Pump (R)	11-104
ment (M)	2- 87	Fingerprint Corrosion Inhibiting Compo-		Delpark Industrial Filter Folder (M)	11-115
	- 66	corrosion Resistant Chemical (R)	8- 87 8- 92	FIRST AID-See Safety Procedures &	
COLOR BUFFING—See Polishing		New Liquid Stops Corrosion (R)	9-100	Equipment	
COLORED SURFACE TREATMENTS		Protective Plating for Light Construc- tional Steelwork Units (A)	10- 80	FLUID MECHANICS	
New Process for Coloring Aluminum (R)	1- 90	Corrosion Prevention (P) The Effect of Copper Undercoats on the	10- 84	Flow Rate Regulator (R)	7- 79
All-Purpose Blackening Bath (R)	3- 89 4- 88	Protective Value of Nickel-Chromium		Pressure Regulator and Filter (R)	11-101
Dyed Phosphate Coatings (S) Adding Water to Blackening Baths (S)	5- 73	Coatings on Steel (M) Protective Coatings (P)	10-102 11- 91	GALVANIZING & TINNING, HOT DIP	
Forming Pating on Bronce (P)	6-122 6-127	Rust Inhibitor for Wet Blasting Machines		Hot-Dip Aluminum Coatings (P)	1- 80
Black Finish for Steel (M)	6-166 9- 91	(R) New Coating Bulletin (M)	12- 85	Flux Bath for Aluminum Hot-Dipping (P) New Oil to Replace Palm Oil in Continu-	2- 80
Coloring and Plating Stainless Steel (S) 1	1-87			ous Galvanizing (R)	2- 89
Hard Black on Brass (S)	2- 74	COSTS & GENERAL		Hot-Dip Coatings of Aluminum, Zinc, Lead, Cadmium, and Tin (P)	3- 79
	- 11	Calculating Metal Cost for Palladium Plating (D)	1- 81	Zinc Plating vs. Galvanizing (S)	4- 86
COMPOSITIONS		Calculating Metal Cost for Palladium Plating (D)	9- 79	Method and Apparatus for Removing Ex- cess Galvanizing Metal from Conduit or	
Buffing Compound (P)	3- 78	Patent Law in the Metal Finishing Indus-	2- 10	the Like (P)	11- 90
CONTINUOUS PLATING OF WIRE & ST	TRIP	try	7- 46	GENERATORS See Power Supplies	
Continuous Plating One Side of Strip (P)	2- 81	DEGREASING -			
The Role of Chelating Agents in the Plat- ing Industry	3- 54	New Design of Solvent-Vapor Degreaser		GOLD PLATING	
Machine for Continuous Plating of Strip	3- 78	(R) New Corrosion-Resistant Coating for Det-	1- 82	The Perchloric-Formic Acid Method for Gold	2- 71
Machine for Copper Plating Wire (P)	3- 79	rex Degreasers (R)	1- 92	Gold Heavy Gold Plating of Instruments (S)	4- 86
Plating Zippers (P) Strip Plating Machine (P)	3- 80	Degreasing Machine (P) Cleaning Solvent (R)	8- 96	Bright Gold Process (R) Gold Dip Finish (S)	6-143 9- 83
Plating Coiled Strip (P)	4-87	Safety Solvents (R) Liquid Phase Metal Dry Degreaser (R)	9- 95	GRINDING—See Polishing	
Gas Plating Continuous Strip (P)	5- 76	Vapor Degreasers (M)	9-121		
		Interior Coating for Vapor Degreasers (R) Vapor Degreaser Uses Standard Drum (R)		HANDLING EQUIPMENT	
CONVERSION SURFACE TREATMENTS		Semi-Portable Degreaser (R)		Acid-Proof Metal (S)	1- 77
Testing for Chromate Film on Zinc Plates	1- 78	DE-IONIZATION-See Water		Lead-Clad Steel and Lead-Clad Copper (R) Teflon Impellers in Stainless Steel Pump	
Coating for Aluminum Alloys (P)	1- 79	DESCALING—See Pickling		(R) Non-Corrosive Chemical Pump (R)	1- 92 1- 92
Steel Phosphating Compound (R) Test for Chromate Films on Zinc (S)	2- 76			Cyclothene Plastic Piping (R) Pouring Liquids Without Spilling or	5- 80
Test Paper for Alkaline Chromate Con	2- 79	DIE CASTINGS		Fouring Liquids Without Spilling or Splashing (R)	6-139
centrations (P)	2- 80	Electroplating of High-Grade Zinc Alloys Containing Aluminum with Copper,		Splashing (R) Lucite Electro-Chemical Equipment (M)	6-164
centrations (P) Cold Phosphating Solution (R) The Passivation of Tinplate (A)	2- 82 3- 73	Brass and Nickel (A)	4- 83	Automatic Plating Machine (P)	6-164 7- 72
New Phosphate Process Aids Extrusion		Plating Zinc Alloy Die Castings (A)	9- 78	Plating Zippers (P)	7- 73
(R) Chemical Treatment Destroys Rust and	4- 24	DRAG OUT See Fluid Mechanics		New Materials Handling System (P) Finishing Equipment Catalogue (M)	7- 18
Phosphatizes Metals in One Operation (R)	4-102	DRYING		Hard Rubber Pump Handles Acids, Alka-	8- 88
Dyed Phosphate Coatings (S)	4-102 5- 73	Small, Portable Drying Ovens (M)	6-168	Flexible Plastic Tubing (R) Materials Handling System (R)	8- 91
Steel Phosphating Compound and Brass	5- 78			Materials Handling System (R) Belt Conveyor (M)	8- 98 3-115
Radiometric Study of Phosphating Prob-		ELECTROCHEMISTRY		Belt Conveyor (M)	9- 84
Chromate Treatment of Sherardized Parts	6-113	The Influence of Supersonics on Electro- plating (A)	2- 75	Drum Head Cutter (R) Conveying Equipment (M)	9-121
Phosphate Treatment for Zinc (P)	7- 70 7- 79	The Role of Chelating Agents in the Plat-		Materials Handling System (R)	10- 88
Treatment of Aluminum (P)	8- 87	ing Industry The Electromotive Series for Metals and	3- 54	Dipping Conveyor (P)	11- 88
Lubrication Process (M) Chromated Zinc Deposits (S)	9-120	Alloys (D)	4- 89	Carboy Rocker (R) Combination Truck and Drain Rack Loads	11- 97
Unichrome Conversion Coatings (M) 1	0-101	Metal Distribution in Plating Baths (A)	5- 71	Automatically (R)	11-103

New "Gripper" Sling Catalog (M) 11-115	Gas Plating (P)	E - QE
New Rolock Catalog on Fabricated Alloys (M)	Lacquers for Silver Spraying (R) Metallizing Plastics (P) Metallizing (M)	9-85 Salt Bath Descaling (P)
HEATING METHODS & EQUIPMENT	Metallizing Glass (P)	0-84 Molten Salt Bath Descaling and Derusting
Carbon Steam Jets (R) 1- 91 Maximum Heat Transfer Now Possible with Half the Steel (R) 5- 87	Silverdeposit Ware (S)	1-87
Corrosion-Resistant Heat Exchanger (R) 6-130 Universal Pipe Supporter (R) 7-79	Metallized Ceramic Coating Composition (P)	Inhibited Acid Dickling Roth (P) 3- 80
Electric Immersion Heater (R)	NICKEL PLATING	(R) 3- 90 Reconditioning Valves and Fittings (R) 3- 92
Steam Trap (R)         9- 98           Liquid Chiller (R)         9- 99	Causes and Remedies for Faults in Elec- troplating (A)	Etch for Aluminum (R) 3- 92 1- 75 Steel Pickling Process (P) 6-125
Space Heater (R) 9-101 Electric Radiant Panels (M) 9-123 Port Hand Pletteril (M) 10-101	Iron Contamination in Nickel Plating (S) Nickel Plating Anode and Cathode Rods	1- 77 Pickling of Stainless Steels (A) 6- 67 Pickling Accelerators (S) 7- 71 Continuous Treatment of Strin (P) 7- 79
Report on Use of Platecoils (M) 10-104 Electric Unit Heater (R) 11-94 Multiple Burger Protectoric Systems (M) 11-115	(S)  Bright Nickel Plating Electropolished	Improving Efficiency of Steel Pickling
Multiple Burner Protectoglo Systems (M) 11-115 Lead Sheathed Electric Immersion Heat- er (R)	Brass (P) Hardness of Nickel Deposits (A) The Nickel Situation	2- 74 Removing Fire Scale from Bronze (S) 8- 84 Pickling Phosphor Bronze (S) 9- 81
HISTORY OF PLATING	Activating Nickel After Stripping Chrome (P)	2 78 Chromium Plating (S) 9- 81
People and Industry 5- 51	Immersion Nickel Coating of Pistons (P) Nickel Plating from Fluoride Baths (P)	3- 80 Scale on Pewter (S)
HYDROGEN EMBRITTLEMENT	Nickel Bath with Levelling Properties (P) Process for Making Nickel-Coated Alum-	4- 88 Descaling in Fused Baths (P) 9- 84 Pollor Etching Machine (P)
Influence of Foreign Bodies and Hydrogen on the Properties of Electro-Deposited	inum (R) Nickel Allergy—Occupational Disease with	New Etchant for Aluminum (R) 9- 98
Metals (A) 2-74 Plating and Heat Treating Tempered Spring Steel (P) 3-79	Nickel Salts (A)  Elimination of Organic Impurities in Nickel Plating Baths (A)	Pickling of Stainless Steels (A)
IMMERSION PLATING	Practical Nickel Plating (M) Plating Nickel in a Supersonic Field (A)	6-168 Coloring and Plating Stainless Steel (S) 11-87
Heavy Immersion Tin Plating 2- 69	Nickel on Tin or Lead Alloys (S)  Boric Acid in Low pH Nickel Baths (S)	7-71 Pickling Composition (P)
The Role of Chelating Agents in the Plat- ing Industry  Immersion Nickel Coating of Pistons (P) 3-80	Adhesion of Nickel Deposits (M) Nickel Anodes (A)	8- 82 (P)
INDIUM PLATING	Plating Nickel Over Old Nickel (S)	8- 84 (R)
Lead-Indium Alloy Plating (P) 2- 79	(M) Nickel Plating with Insoluble Anodes (M)	8-112 PIPINGS & FITTINGS NOZZLES, VALVES 8-115 Rigid Plastic Pipe and Fittings (R) 1- 84
INHIBITORS	Material Control in Nickel Chrome Plating Pitted Nickel After Filtering (S)	9-64 Rigid Polyvinyl Chloride Fabrications (R) 1-91 9-81 Reconditioning Valves and Fittings (R) 3-92
Inhibited Acid Pickling Bath (P)	Cathode Efficiency of Nickel Plating Solu- tions (S)	Removing Oil & Water from Compressed 9-81 Air Lines (R) 4-95
Apparatus for Adding Pickling Inhibitors (P) 12- 75	Hard Nickel Plating (P) Nickel Plating Stainless Steel (S)	9- 82 New Steam Trap (R) 4- 99 9- 83 Cyclothene Plastic Piping (R) 5- 80
INSTRUMENTS, INDUSTRIAL	Plating of Nickel on Tin and Lead Alloy (L)  Building Up Worn Parts by Electrodeposi-	Rigid Polyvinyl Chloride Fabrications (R) 5-86 9-116 Polyethylene Welded Pipe Fittings (R) 6-140 Pipeline Strainers (M) 6-168
Resistance Thermometers for Industrial Processes (R) 1- 87	tion (M)  Engineering Electroforming (M)	Pipeline Strainers (M)         6-163           9-121         Air Control Valve (R)         8-100           9-123         Solenoid Valves (M)         8-114
Addition Agent Pump for Plating Baths (R)	Practical Methods in Heavy Industrial Nickel Plating (M)	9-125 Acid-Proof Materials and Construction 8-115
(P) 2- 79 Universal pH Meter (R) 2- 87	Nickel Plating on Rubber Lining (S) The Effect of Copper Undercoats on the	10-82 Corrosion Resistant Equipment (M) 8-115 Diaphragm Valves (R) 9-90
High Accuracy in Flowmeters (R) 2-89 Electronic Plating Thickness Tester (R) 3-82	Protective Value of Nickel-Chromium Coatings on Steel (M)  The Electrodeposition of Nickel from	Steam Trap (R) 9-98 Fabricated Fittings (M) 9-122 Cleaning Air and Gas Lines (M) 9-125 9-125
pH Meter Features Compactness, Portability (R) 5-82	Nickel Chloride Solutions (M)	10-103 Corrosion Proof Equipment (R) 11- 92
Armored Flowrater Flow Meter (M) 7-94 Current Density Meter (R) 8-88 New Faxfilm Surface Comparator (R) 8-93	ing Power of Nickel Plating Solutions	10-104 PITTING, PEELING, BLISTERING Causes and Remedies for Faults in Elec-
New Hydrotector (R) 8-100 Flow Rate Control (M) 8-114	Nomogram for Analysis of Watts Type Nickel Plating Solutions	11- 76 troplating (A) 1- 75
Manual on Industrial Magnifiers (M) 8-114 Electric Control Thermometers (M) 8-116	Nickel Plating (M) Properties of Electrodeposited Nickel Notes on Nickel Plating from a Fluobor-	12-59 Blistered Silver Plating (S) 3-77 Addition Agent for Acid Zinc Plating (P) 3-80
Electronic Temperature Controller (R) 9-95 Flowmeter (R) 9-95 Now Purity Motor Literature (M) 9-96	ate Bath (M)	12- 87 Blistered Brass Plating (S) 4- 85 Blistered Cadmium on Heat-Treated Parts
New Purity Meter Literature (M) 9-122 Application of Tin Coating Gage (M) 9-123 Volt Ammeter (M) 9-125	ORGANIC COATINGS — STOPOFFS	(S) 5- 78 Plating Nickel Over Old Nickel (S) 8- 84 1- 65 Plating on Case Hardened Steel (S) 8- 84
Plating Thickness Meter (P) 10- 86	Insulation for Plating Racks	1-108
Illuminated Panel Meter (R)   10-95	Chloride (R) Copper as a Carburizing Stop-Off (S)	2- 82 Successful Hard Chrome Plating — The
All-Metal Floating Thermometer (R) 11- 98 10-Power Magnifier with Built-in Light	Lacquering Over Chrome Plate (S)	3- 77 Barrel Finishing at Eureka-Williams 3- 52 3- 84 Pleting Zippore (P)
Source (R) 11-99 D-C Current-Measuring Reactor (R) 11-100 Photoelectric Smoke Indicator (R) 11-102	New No-Prep Vinyl Primer (R)	3- 87 Utah General Depot Re-Finishing Plant 4- 81 Finishing Cast Iron Skillets 5- 60
IRON CAST — PLATING ON	Partial Area Plating (S)	4-85 A Modern, Efficient Plating and Polishing Plant 7-57
Plated Coatings on Cast Iron (A) 5- 69	Metal Distribution in Plating Baths Lacquers for Silver Spraying (R)	5-71 Material Control in Nickel Chrome Plat- ing 9-64
IRON PLATING	Rigid Polyvinyl Chloride Fabrications (R) Corrosion Resistant Coating (P)	5- 86 Hot Dip Coatings (P) 10- 86
Iron Electrodeposition (P) 6-123 Rebuilding Engine Cylinders and Liners 8-67	Synthetic Clear Enamel for Chrome Plate System (R)	6-134 Method of Uniting Parts by Electrodepo-
LEAD PLATING	Neoprene Base Coating (P)	7- 74 7- 76 PLASTICS See Organic Costings
Lead-Indium Alloy Plating (P) 2- 79 Influence of Organic Additions on the	Protective Coatings (M)  Mystik Tape Helps Prevent Damage, Personal Injury (R)	7- 94 DIATINIM DIATING
Structure of Cathode Lead Obtained from Acetic Acid Electrolytes (A) 4-84	OXIDIZING—See Colored Surface Treat-	Calculating Metal Cost for Platinum Plat-
Lead Coating Process (P) 6-125 Protective Plating for Light Construction-	ments	POLARIZATION
al Steelwork Units (A) 10- 80 LEVELLING	PALLADIUM PLATING	Studies of the Cathodic and Anodic Be-
Nickel Bath with Levelling Properties (P) 4-88	Calculating Metal Cost for Palladium Plating (D)	
MAGNESIUM	PERIODIC-REVERSE PLATING	Strip Polisher for Both Sides (P) 1- 80
Zinc Plating on Magnesium (R) 3-84 Finishing Magnesium 10-62	Calculating P-R Plating Thicknesses (S) Periodic Reverse Plating (R)	4-85 Scored Abrasives for Sand-O-Flex Con- tour Sanders (R) 1-89 Polishing Spoon and Fork Handles (R) 2-85
Finishing Magnesium 10-62 Magnesium Finishing (M) 10-102 Cleaning Worked Magnesium Articles (P) 12-75	рН	Pneumatic Drum Sanders and Grinders (R) 2- 90
METALLIZING	Buffer Tablets (R)	1- 90 Buff Design (P) 3- 78 2- 87 Making Buffing Wheels (P) 3- 78
The Formation of Metallic Coatings by Vapor-Phase Techniques 4- 64	pH Meter Features Compactness, Port- ability (R)	5- 82 Buffing Wheel (P)
Electroplating with Aluminum 4- 76	Bulletin on pH Theory and Practice (M)	8-116 Buff Design (P)

Leather Automate Spray (Belt Grindin Storing I Abrasia Grindin Storing New A Grindin Storing Cold (Whee Polishi Storing Control Buffing Control Buffing Control Buffing Finish Cost of Felt fabrasia Grindin Abrasia Buffin Tape New 'Abras Abras Abras Buffin Coate Mal Rotar

POW

Contring
Low
Acid
Influe
rect
of
Platin
Brush
tro
Const
Impre
Res
Elect
Selen
Moto
Ratin
Elect
Copp
Auto
Chan
Mo

PUM RAC

Insul Copp Plati Stan of New

REC

Iron
Puri
Dum
Carb
Chro
Reco
The
in;
Dete
Be
Rem
Flim
N
Rem
m
Pur
Rem
m
Rem

М

Leather Polishing and Buffing Wheels (R) 3-93	Recovery of Cadmium from Cadmium	Pickling of Stainless Steels (A) 7- 67
Automatic Buffing Machine (P)	Strip (S) 9- 82 Hydrogen Peroxide in the Purification of	Electropolishing Stainless Steel (S) 7- 70 Electrolytic Polishing of Stainless Steel
Relt Grinder and Polisher (R) 4- 90	Plating and Other Metal Salt Solutions	(P)12- 75
High-Strength Polishing Glue (R) 4- 93	(M) 11-114	
Gears Deburred on Rotary Automatic Buff- ing Machine (R) 4-96	Metal Recovery by Ion Exchange (M) 12-89	STANDARDS AND SPECIFICATIONS
Abrasive-Belt Grinder for Large Area	RECTIFIERS—See Power Supplies	Causes and Remedies for Faults in Elec-
Surfacing (R) 4- 96		troplating (A)
Cam-Controlled Polishing Machine (P) 4-115	RINSING — DRAGOUT	Surface Treatment and Plating in Naval Aircraft 2- 53
Back-Up Wheel for Polishing (P)	Dragout Control - Part III 1- 60	German Electroplating Standards (A) 4-83
Bull Design (P)	Drying Metals by Water Displacement (R) 2-82	Making a Salt Spray Tester (S) 4- 85
Belt Polisher (P) 5- 75	Surface Active Agent for Eliminating	Standards for Surface Roughness (R) 4-101
Buffing Wheel (P) 5- 76	Plating Stains (R)         2- 85           Fog Spray Nozzle (R)         5- 87	STOR OFFS
New Abrasive Belt Design (R) 5- 78 Grinding and Polishing Machine (R) 5- 80	Spray Nozzles (M) 8-113	STOP-OFFS
Grinding and Polishing Machine (R) 5- 80 Universal Hub Contact Wheel (R) 5- 85	Rinsing Techniques (A) 10- 79	Rubber Masks for Stop-Off Work (R) 6-132
Polishing Wheel (P)	Rinsing Compound for Black Oxide Fin-	ampinomica
Buffing Machine (P) 6-128	ishes (R) 10- 88	STRIPPING
Cold Cement for Reheading Polishing	RHODIUM PLATING	Anodic Stripping of Plated Coatings from
Wheels and Abrasive Belts (R)		Steel (P) 1- 79
Storing Coated Abrasives (M) 6-166	Heavy Bright Rhodium Plating (P) 4-88	Activating Nickel After Stripping Chrome
Control of Industrial Dust (M) 6-169	Heavy Bright Rhodium Plate (P)	(P) 3- 78 Electrostripping Plated Coatings (P) 4-114
Buffing Compounds 7- 65	Recovering Rhodium (S) 10- 82	A.C. Stripping of Copper (P) 7- 72
Ultrasonic Deburring (P) 7- 73	Rhodium Solution (S) 11- 86	New Alkaline Tin-Lead Stripper (R) 8-88
Belt Grinding with Portable Tools (R) 7-74 Belt Polisher for Small Radius (R) 7-74	Increasing Voltage in Rhodium Solution	Seum on Acid Strip (S) 9- 82
Introductory Sample Card (R)	(S)	Stripping Nickel (S) 11- 86
Abrasive Belt Contact Wheels (R)	Knoulum Data Sheet (M)	TANKS AND LININGS
Economy in Polishing (M)	RUBBER	
Automatic Polishing Machine (P) 8- 86	Wire Re-inforced Rubber Hose (R) 2-84	Nickel Plating Anode and Cathode Rods (S) 1- 77
Buffing Wheel (P) 8-86 Buffing Wheel (P) 8-87	Removing Rubber from Metals (R) 3- 78	Rigid Polyvinyl Chloride Fabrications (R) 1- 91
Finishing Compounds (M) 8-112	Rubber Bonding to Cadmium Plate (S) 5-73	Tanks Fabricated from Rigid Polyvinyl
Cost Chart for Polishing and Buffing (M) 8-116	Rubber Masks for Stop-Off Work 6-132	Chloride (R) 2- 82
Felt for Metal Finishing and Polishing 9-58	SAFETY DECCEDIEDES & DOMENT	Protective Coating for Plating Tanks (R) 3-84
Abrasive Articles (P)	SAFETY, PROCEDURES & EQUIPMENT	Neoprene Maintenance Coatings (R) 3-87 Protecting Outside of Tanks (R) 4-95
Abrasive Head (P) 9- 84	Emergency Showers (R) 1-85	Fabricated Plastics in the Plating Indus-
Polishing Apparatus (P) 9- 85	Industrial Clothing (R) 1- 90	try6-117
Buffing Wheel (P) 8-87	Acid Safety Goggle (R) 2- 93 Acid-Proof Work Clothes (R) 2- 93	Laminex Fiberglas Tanks (R) 6-134
Surface Finishing Machine (R) 9- 88	Acid-Proof Work Clothes (R) 2- 93 Health Hazards in Electroplating Plants 5- 62	Lucite Electro-Chemical Equipment (M) 6-164
Drum Sander (R) 9- 97 Cork-Surface Polishing Belt (R) 9- 99	Nickel Allergy — Occupational Disease	Koroseal Linings (M)
Abrasive Head (P) 10- 84	with Nickel Salts (A) 5- 69	Acid-Proof Materials and Construction
Buffing and Polishing Device (P) 10- 84	Dynel Work Clothes Tough Enough to be	(M) 8-115
Tape Strengthens Abrasive Belt (R) 10- 95	Soaked in Acid (R)	Plastic Floor Protection (R) 9- 86
New Type Buffing Wheel (R) 10- 97	Lightweight Respirator Hood (R) 5-89 Antiseptic Hand Creams (R) 6-138	New Literature Available (M) 9-120
Abrasive Polishing Wheel (P)	Dust and Splash Goggle (R) 6-138	Coatings and Linings (M)
Pressure Cooled Buffs (R) 11- 92	Safety Goggle (R)	Corrosion Proof Equipment (R) 11- 92
Versatile Polishing Head (R) 11- 92	Hair Net Visor (R) 8- 92	Mixing and Storage Tanks (R) 12-86
Wire Cup Brush (R)         11-99           Internal Grinding Wheels (M)         11-112	Floor Patch Material (R)	Corrosion-Resistant Linings (M) 12- 87
Buffing Wheel (P)	"Skin-Cote" (M) 8-114	Sheet and Plate Fabrication (M) 12- 89
Coated Abrasive Article and Method of	Industrial Clothing (R) 9- 91	TESTING — ANALYSIS
Making (P) 12- 77 Rotary Brush (P) 12- 78	New Mask and Shield (R) 9-100	
D + D - 1 (D)		
Rotary Brush (P) 12- 78	Orlon Work Clothes (M) 9-120	Determination of Sulfate in Chromium
	Equipment Catalog Highlights Items for	Baths Using Radiobarium 1- 71
POWER SUPPLIES	Equipment Catalog Highlights Items for Economy and Safety (M)	Baths Using Radiobarium 1-71 Testing for Chromate Film on Zinc Plate (S) 1-78
POWER SUPPLIES Control Circuit for Periodic Reverse Plat-	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122 Miniature Circuit Breaker (R) 10-91 Mat Switches and Accessories (R) 10-94	Baths Using Radiobarium 1-71 Testing for Chromate Film on Zinc Plate (S) 1-78 Hull Cell Rectifier (R) 1-83
POWER SUPPLIES Control Circuit for Periodic Reverse Plating (P)	Equipment Catalog Highlights Items for Economy and Safety (M)       9-122         Miniature Circuit Breaker (R)       10-91         Mat Switches and Accessories (R)       10-94         Safety Valve (R)       10-94	Baths Using Radiobarium
POWER SUPPLIES  Control Circuit for Periodic Reverse Plating (P) 1-79  Low Ripple Rectifiers (R) 1-84	Equipment Catalog Highlights Items for Economy and Safety (M)         9-122           Miniature Circuit Breaker (R)         10- 91           Mat Switches and Accessories (R)         10- 94           Safety Valve (R)         10- 94           Protective Masks (R)         10- 98	Baths Using Radiobarium
POWER SUPPLIES     Control Circuit for Periodic Reverse Plating (P)	Equipment Catalog Highlights Items for Economy and Safety (M)       9-122         Miniature Circuit Breaker (R)       10-91         Mat Switches and Accessories (R)       10-94         Safety Valve (R)       10-94         Protective Masks (R)       10-98         Plastic Safety Goggle (R)       10-100	Baths Using Radiobarium
POWER SUPPLIES  Control Circuit for Periodic Reverse Plating (P) 1- 79  Low Ripple Rectifiers (R) 1- 84  Acid and Fume-Proof Rectifier (R) 4- 92  Influence of Wave Form of Rectified Direct Current on Growth and Properties	Equipment Catalog Highlights Items for Economy and Safety (M)         9-122           Miniature Circuit Breaker (R)         10- 91           Mat Switches and Accessories (R)         10- 94           Safety Valve (R)         10- 94           Protective Masks (R)         10- 98           Plastic Safety Goggle (R)         10-100           New Orlon Catalogue (M)         10-101           Neoprene Connectors (M)         10-102	Baths Using Radiobarium
POWER SUPPLIES  Control Circuit for Periodic Reverse Plating (P) 1-79  Low Ripple Rectifiers (R) 1-84  Acid and Fume-Proof Rectifier (R) 4-92  Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5-70	Equipment Catalog Highlights Items for Economy and Safety (M)         9-122           Miniature Circuit Breaker (R)         10-91           Mat Switches and Accessories (R)         10-94           Safety Valve (R)         10-94           Protective Masks (R)         10-98           Plastic Safety Goggle (R)         10-100           New Orlon Catalogue (M)         10-101           Neoprene Connectors (M)         10-102           Safety First Shoe Catalog (M)         10-102	Baths Using Radiobarium 1-71 Testing for Chromate Film on Zinc Plate (S) 1-78 Hull Cell Rectifier (R) 1-88 Buffer Tablets (R) 1-90 Control of Bright Zinc Solutions (L) 1-93 Evaluating Metal Cleaning Efficiency 2-65 The Perchloric-Formic Acid Method for Gold 2-71 Test for Chromate Films on Zinc (S) 2-76
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 1- 84 Acid and Fume-Proof Rectifier (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86	Equipment Catalog Highlights Items for Economy and Safety (M)         9-122           Miniature Circuit Breaker (R)         10- 91           Mat Switches and Accessories (R)         10- 94           Safety Valve (R)         10- 94           Protective Masks (R)         10- 98           Plastic Safety Goggle (R)         10-100           New Orlon Catalogue (M)         10-101           Neoprene Connectors (M)         10-102           Safety First Shoe Catalog (M)         10-102           Control of Dermatitis (M)         10-103	Baths Using Radiobarium 1-71 Testing for Chromate Film on Zinc Plate (S) 1-78 Hull Cell Rectifier (R) 1-88 Buffer Tablets (R) 1-90 Control of Bright Zinc Solutions (L) 1-93 Evaluating Metal Cleaning Efficiency 2-65 The Perchloric-Formic Acid Method for Gold 2-71 Test for Chromate Films on Zinc (S) 2-76 Checking Silver Plate Thickness on Brass
POWER SUPPLIES  Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 1- 84 Acid and Fume-Proof Rectifier (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electives	Equipment Catalog Highlights Items for Economy and Safety (M)         9-122           Miniature Circuit Breaker (R)         10-91           Mat Switches and Accessories (R)         10-94           Safety Valve (R)         10-94           Protective Masks (R)         10-98           Plastic Safety Goggle (R)         10-100           New Orlon Catalogue (M)         10-101           Neoprene Connectors (M)         10-102           Safety First Shoe Catalog (M)         10-102           Control of Dermatitis (M)         10-103           Immediate Setting Floor Patch (M)         10-104	Baths Using Radiobarium 1-71 Testing for Chromate Film on Zinc Plate (S) 1-78 Hull Cell Rectifier (R) 1-88 Buffer Tablets (R) 1-90 Control of Bright Zinc Solutions (L) 1-93 Evaluating Metal Cleaning Efficiency 2-65 The Perchloric-Formic Acid Method for Gold 2-71 Test for Chromate Films on Zinc (S) 2-76 Checking Silver Plate Thickness on Brass (S) 2-77
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 1- 84 Acid and Fume-Proof Rectifier (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6-107 Constant Potential Plating (P) 6-123	Equipment Catalog Highlights Items for Economy and Safety (M)         9-122           Miniature Circuit Breaker (R)         10-91           Mat Switches and Accessories (R)         10-94           Safety Valve (R)         10-94           Protective Masks (R)         10-98           Plastic Safety Goggle (R)         10-100           New Orlon Catalogue (M)         10-102           Safety First Shoe Catalog (M)         10-102           Control of Dermatitis (M)         10-103           Immediate Setting Floor Patch (M)         10-104           Floor Resurfacer (R)         11-98           Floor Patch Dries Almost Instantly (R)         11-101	Baths Using Radiobarium 1-71 Testing for Chromate Film on Zinc Plate (S) 1-78 Hull Cell Rectifier (R) 1-88 Buffer Tablets (R) 1-90 Control of Bright Zinc Solutions (L) 1-93 Evaluating Metal Cleaning Efficiency 2-65 The Perchloric-Formic Acid Method for Gold 2-71 Test for Chromate Films on Zinc (S) 2-76 Checking Silver Plate Thickness on Brass (S) 2-76 Stress-Measuring Instrument for Plating 2-77
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 1- 84 Acid and Fume-Proof Rectifier (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6-107 Constant Potential Plating (P) 6-123	Equipment Catalog Highlights Items for Economy and Safety (M)         9-122           Miniature Circuit Breaker (R)         10-91           Mat Switches and Accessories (R)         10-94           Safety Valve (R)         10-94           Protective Masks (R)         10-98           Plastic Safety Goggle (R)         10-100           New Orlon Catalogue (M)         10-101           Neoprene Connectors (M)         10-102           Safety First Shoe Catalog (M)         10-102           Control of Dermatitis (M)         10-103           Immediate Setting Floor Patch (M)         10-104           Floor Resurfacer (R)         11-98           Floor Patch Dries Almost Instantly (R)         11-101           All-Plastic Spectacle-Type Eye Shield (R)         11-102	Baths Using Radiobarium  Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zinc Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concen-
Control Circuit for Periodic Reverse Plating (P)  Low Ripple Rectifiers (R)  Acid and Fume-Proof Rectifier (R)  Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A)  Plating Rectifier (R)  Brush Selection and Maintenance for Electroplating Generators  Constant Potential Plating (P)  Improved Rheostats for Accurate Current Regulation (R)  6-130	Equipment Catalog Highlights Items for Economy and Safety (M)         9-122           Miniature Circuit Breaker (R)         10- 91           Mat Switches and Accessories (R)         10- 94           Safety Valve (R)         10- 94           Protective Masks (R)         10- 98           Plastic Safety Goggle (R)         10-100           New Orlon Catalogue (M)         10-101           Neoprene Connectors (M)         10-102           Safety First Shoe Catalog (M)         10-102           Control of Dermatitis (M)         10-103           Immediate Setting Floor Patch (M)         10-104           Floor Resurfacer (R)         11- 98           Floor Patch Dries Almost Instantly (R)         11-101           All-Plastic Spectacle-Type Eye Shield (R)         11-102           Eye Wash Fountain (R)         11-104	Baths Using Radiobarium 1-71 Testing for Chromate Film on Zinc Plate (S) 1-78 Hull Cell Rectifier (R) 1-83 Buffer Tablets (R) 1-90 Control of Bright Zinc Solutions (L) 1-93 Evaluating Metal Cleaning Efficiency 2-65 The Perchloric-Formic Acid Method for Gold 2-77 Test for Chromate Films on Zinc (S) 2-76 Checking Silver Plate Thickness on Brass (S) 2-77 Stress-Measuring Instrument for Plating (P) 2-79 Test Paper for Alkaline Chromate Concentrations (P) 2-80
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 1- 84 Acid and Fume-Proof Rectifier (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6-107 Constant Potential Plating (P) 6-123 Improved Rheostats for Accurate Current Regulation (R) 6-130 Electrical Equipment Catalog (M) 8-113 Selenium Rectifiers (M) 8-116	Equipment Catalog Highlights Items for Economy and Safety (M)         9-122           Miniature Circuit Breaker (R)         10-91           Mat Switches and Accessories (R)         10-94           Safety Valve (R)         10-94           Protective Masks (R)         10-98           Plastic Safety Goggle (R)         10-100           New Orlon Catalogue (M)         10-101           Neoprene Connectors (M)         10-102           Safety First Shoe Catalog (M)         10-102           Control of Dermatitis (M)         10-103           Immediate Setting Floor Patch (M)         10-104           Floor Resurfacer (R)         11-98           Floor Patch Dries Almost Instantly (R)         11-104           All-Plastic Spectacle-Type Eye Shield (R)         11-102           Eye Wash Fountain (R)         11-104           Mystik Tape Helps Prevent Damage, Per-         11-115	Baths Using Radiobarium 1-71 Testing for Chromate Film on Zinc Plate (S) 1-78 Hull Cell Rectifier (R) 1-88 Buffer Tablets (R) 1-90 Control of Bright Zinc Solutions (L) 1-93 Evaluating Metal Cleaning Efficiency 2-65 The Perchloric-Formic Acid Method for Gold 2-71 Test for Chromate Films on Zinc (S) 2-76 Checking Silver Plate Thickness on Brass (S) 2-76 Stress-Measuring Instrument for Plating (P) 2-79 Test Paper for Alkaline Chromate Concentrations (P) 2-80 Universal pH Meter (R) 2-87 Rapid Identification (Spot Testing) of
Control Circuit for Periodic Reverse Plating (P) 1- 84 Acid and Fume-Proof Rectifier (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6-107 Constant Potential Plating (P) 6-123 Improved Rheostats for Accurate Current Regulation (R) 6-130 Electrical Equipment Catalog (M) 8-113 Selenium Rectifiers (M) 8-116 Motor-Generators for Electroplating 9- 75	Equipment Catalog Highlights Items for Economy and Safety (M)         9-122           Miniature Circuit Breaker (R)         10-91           Mat Switches and Accessories (R)         10-94           Safety Valve (R)         10-94           Protective Masks (R)         10-98           Plastic Safety Goggle (R)         10-100           New Orlon Catalogue (M)         10-101           New Orlon Catalogue (M)         10-102           Safety First Shoe Catalog (M)         10-102           Control of Dermatitis (M)         10-103           Immediate Setting Floor Patch (M)         10-104           Floor Resurfacer (R)         11-98           Floor Patch Dries Almost Instantly (R)         11-101           All-Plastic Spectacle-Type Eye Shield (R)         11-102           Eye Wash Fountain (R)         11-104           Safety Catalog (M)         11-115	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zinc Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T)  1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1-
Control Circuit for Periodic Reverse Plating (P)	Equipment Catalog Highlights Items for Economy and Safety (M)         9-122           Miniature Circuit Breaker (R)         10-91           Mat Switches and Accessories (R)         10-94           Safety Valve (R)         10-94           Protective Masks (R)         10-98           Plastic Safety Goggle (R)         10-100           New Orlon Catalogue (M)         10-101           Neoprene Connectors (M)         10-102           Safety First Shoe Catalog (M)         10-102           Control of Dermatitis (M)         10-103           Immediate Setting Floor Patch (M)         10-104           Floor Resurfacer (R)         11-98           Floor Patch Dries Almost Instantly (R)         11-98           All-Plastic Spectacle-Type Eye Shield (R)         11-102           Eye Wash Fountain (R)         11-104           Safety Catalog (M)         11-104           Mystik Tape Helps Prevent Damage, Personal Injury (R)         12-82	Baths Using Radiobarium 1-71 Testing for Chromate Film on Zinc Plate (S) 1-78 Hull Cell Rectifier (R) 1-88 Buffer Tablets (R) 1-90 Control of Bright Zinc Solutions (L) 1-93 Evaluating Metal Cleaning Efficiency 2-65 The Perchloric-Formic Acid Method for Gold 2-76 Checking Silver Plate Thickness on Brass (S) 2-76 Checking Silver Plate Thickness on Brass (S) 2-77 Stress-Measuring Instrument for Plating (P) 2-79 Test Paper for Alkaline Chromate Concentrations (P) 2-80 Rapid Identification (Spot Testing) of Metals and Alloys (T) 2-96 Chemical Analysis and Control of Alka-
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 1- 84 Acid and Fume-Proof Rectifier (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6-107 Constant Potential Plating (P) 6-123 Improved Rheostats for Accurate Current Regulation (R) 6-130 Electrical Equipment Catalog (M) 8-113 Selenium Rectifiers (M) 8-116 Motor-Generators for Electroplating 9- 75 Rating Electrical Conductors (S) 11- 86 Electrodeposition of Arsenic (P) 11- 89	Equipment Catalog Highlights Items for Economy and Safety (M)         9-122           Miniature Circuit Breaker (R)         10-91           Mat Switches and Accessories (R)         10-94           Safety Valve (R)         10-94           Protective Masks (R)         10-98           Plastic Safety Goggle (R)         10-100           New Orlon Catalogue (M)         10-101           Neoprene Connectors (M)         10-102           Safety First Shoe Catalog (M)         10-102           Control of Dermatitis (M)         10-104           Floor Resurfacer (R)         11-98           Floor Patch Dries Almost Instantly (R)         11-98           Floor Patch Dries Almost Instantly (R)         11-102           Eye Wash Fountain (R)         11-104           Safety Catalog (M)         11-104           Mystik Tape Helps Prevent Damage, Personal Injury (R)         12-82           SILVER PLATING         12-82	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zinc Solutions (L) Evaluating Metal Cleaning Efficiency Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Cress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners  1- 71 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 79 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 1- 84 Acid and Fume-Proof Rectifier (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6-107 Constant Potential Plating (P) 6-123 Improved Rheostats for Accurate Current Regulation (R) 6-130 Electrical Equipment Catalog (M) 8-113 Selenium Rectifiers (M) 8-116 Motor-Generators for Electroplating 9- 75 Rating Electrical Conductors (S) 11- 86 Electrodeposition of Arsenic (P) 11- 89 Copper-Oxide Rectifier Stacks (M) 11-113	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-102  Control of Dermatitis (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-104  All-Plastic Spectacle-Type Eye Shield (R) 11-104  Safety Catalog (M) 11-104  Safety Catalog (M) 11-104  Sifety Catalog (M) 11-104  Sifety Catalog (M) 11-105  Silver Planting  Bright Dip for Silver (S) 1-77	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zinc Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 1- 84 Acid and Fume-Proof Rectifier (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6-107 Constant Potential Plating (P) 6-123 Improved Rheostats for Accurate Current Regulation (R) 6-130 Electrical Equipment Catalog (M) 8-113 Selenium Rectifiers (M) 8-116 Motor-Generators for Electroplating 9- 75 Rating Electrical Conductors (S) 11- 86 Electrodeposition of Arsenic (P) 11- 89 Copper-Oxide Rectifier Stacks (M) 11-113 Automatic Voltage Stabilizers (M) 11-115 Chandeysson Re-Designs Complete Line of	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-94  Protective Masks (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-102  Control of Dermatitis (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-101  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-115  Mystik Tape Helps Prevent Damage, Personal Injury (R) 12-82  SILVER PLATING  Bright Dip for Silver (S) 1-78  Disposal of Silver Plating Solution (S) 1-78	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zinc Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) Stress of
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 1- 84 Acid and Fume-Proof Rectifier (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6-107 Constant Potential Plating (P) 6-123 Improved Rheostats for Accurate Current Regulation (R) 6-130 Electrical Equipment Catalog (M) 8-113 Selenium Rectifiers (M) 8-116 Motor-Generators for Electroplating 9- 75 Rating Electrical Conductors (S) 11- 86 Electrodeposition of Arsenic (P) 11- 89 Copper-Oxide Rectifier Stacks (M) 11-113	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-98  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-101  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Safety Catalog (M) 11-104  Safety Catalog (M) 11-105  Silver Resurfacer (R) 11-104  Safety Catalog (M) 11-105  Silver Plating Solution (S) 1-77  Disposal of Silver Plating Solution (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zinc Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) Electronic Plating Thickness Tester (R) The Analysis of Chromium Plating Baths
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6- 107 Constant Potential Plating (P) 6- 123 Improved Rheostats for Accurate Current Regulation (R) 8- 113 Selenium Rectifiers (M) 8- 113 Selenium Rectifiers (M) 8- 116 Motor-Generators for Electroplating 9- 75 Rating Electrical Conductors (S) 11- 86 Electrodeposition of Arsenic (P) 11- 89 Copper-Oxide Rectifier Stacks (M) 11- 113 Automatic Voltage Stabilizers (M) 11- 115 Chandeysson Re-Designs Complete Line of Motor Generators (R) 12- 80	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-101  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-105  Safety Catalog (M) 11-105  Silver Plating Solution (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating on Brass	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zinc Solutions (L) Evaluating Metal Cleaning Efficiency Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Checking Silver Plate Thickness on Brass (S) Test Paper for Alkaline Chromate Concentrations (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) Telectronic Plating Thickness Tester (R) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates 4-60
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 1- 84 Acid and Fume-Proof Rectifier (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6- 107 Constant Potential Plating (P) 6- 123 Improved Rheostats for Accurate Current Regulation (R) 6- 130 Electrical Equipment Catalog (M) 8- 113 Selenium Rectifiers (M) 8- 116 Motor-Generators for Electroplating 9- 75 Rating Electrical Conductors (S) 11- 86 Electrodeposition of Arsenic (P) 11- 89 Copper-Oxide Rectifier Stacks (M) 11- 115 Chandeysson Re-Designs Complete Line of Motor Generators (R) 12- 80 PUMPS—See Filters and Pumps	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-101  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-115  Mystik Tape Helps Prevent Damage, Personal Injury (R) 12-82  SILVER PLATING  Bright Dip for Silver (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating on Steel (S) 2-76  Checking Silver Plate Thickness on Brass  (S) 2-77	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zinc Solutions (L) Evaluating Metal Cleaning Efficiency Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Plating Thickness Gaure (R)  1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 79 2- 76 2- 77 2- 77 2- 77 2- 77 2- 79 2- 79 2- 79 2- 79 2- 79 2- 79 2- 79 2- 79 3- 79 2- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3- 79 3
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6- 107 Constant Potential Plating (P) 6- 123 Improved Rheostats for Accurate Current Regulation (R) 8- 113 Selenium Rectifiers (M) 8- 113 Selenium Rectifiers (M) 8- 116 Motor-Generators for Electroplating 9- 75 Rating Electrical Conductors (S) 11- 86 Electrodeposition of Arsenic (P) 11- 89 Copper-Oxide Rectifier Stacks (M) 11- 113 Automatic Voltage Stabilizers (M) 11- 115 Chandeysson Re-Designs Complete Line of Motor Generators (R) 12- 80	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-101  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-115  Mystik Tape Helps Prevent Damage, Personal Injury (R) 12-82  SILVER PLATING  Bright Dip for Silver Plating Solution (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Checking Silver Plate Thickness on Brass (S) 2-76  Checking Silver Plate Thickness on Brass (S) 7-77  Tarnish and Corrosion Resistant Coating	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zine Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Plating Thickness Gauge (R) Aluminum Sheet "Cleanliness" Tester (R)
Control Circuit for Periodic Reverse Plating (P) 1- 79  Low Ripple Rectifiers (R) 1- 84  Acid and Fume-Proof Rectifier (R) 4- 92  Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70  Plating Rectifier (R) 5- 86  Brush Selection and Maintenance for Electroplating Generators 6- 107  Constant Potential Plating (P) 6- 123  Improved Rheostats for Accurate Current Regulation (R) 6- 130  Electrical Equipment Catalog (M) 8- 113  Selenium Rectifiers (M) 8- 116  Motor-Generators for Electroplating 9- 75  Rating Electrical Conductors (S) 11- 86  Electrodeposition of Arsenic (P) 11- 89  Copper-Oxide Rectifier Stacks (M) 11- 113  Automatic Voltage Stabilizers (M) 11- 115  Chandeysson Re-Designs Complete Line of Motor Generators (R) 12- 80  PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-102  Control of Dermatitis (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-104  All-Plastic Spectacle-Type Eye Shield (R) 11-104  Safety Catalog (M) 11-104  Safety Catalog (M) 11-104  Silver Bruntain (R) 11-104  Silver Bruntain (R) 11-104  Silver Plating Solution (S) 1-78  Silver Plating Solution (S) 1-78  Silver Plating on Steel (S) 2-76  Checking Silver Plating on Steel (S) 2-76  Checking Silver Plat Thickness on Brass (S) 2-77  Tarnish and Corrosion Resistant Coating (R) 2-92	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zinc Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Plating Thickness Gauge (R) Aluminum Sheet "Cleanliness" Tester (R) Radiometric Study of Phosphating Prob-
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 1- 84 Acid and Fume-Proof Rectifier (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6-107 Constant Potential Plating (P) 6-123 Improved Rheostats for Accurate Current Regulation (R) 6-130 Electrical Equipment Catalog (M) 8-113 Selenium Rectifiers (M) 8-116 Motor-Generators for Electroplating 9- 75 Rating Electrical Conductors (S) 11- 86 Electrodeposition of Arsenic (P) 11- 89 Copper-Oxide Rectifier Stacks (M) 11-113 Automatic Voltage Stabilizers (M) 11-115 Chandeysson Re-Designs Complete Line of Motor Generators (R) 12- 80 PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS Insulation for Plating Racks 1- 65 Copper Plated Racking Wire (R) 4- 92	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-104  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-115  Mystik Tape Helps Prevent Damage, Personal Injury (R) 12-82  SILVER PLATING  Bright Dip for Silver (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Checking Silver Plate Thickness on Brass (S) 2-76  Checking Silver Plate Thickness on Brass (R) 2-92  Blue Dip for Silver Plating (S) 3-76	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zine Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) Electronic Plating Thickness Tester (R) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Plating Thickness Gauge (R) Radiometric Study of Phosphating Problems 6-113
Control Circuit for Periodic Reverse Plating (P) 1- 79  Low Ripple Rectifiers (R) 1- 84  Acid and Fume-Proof Rectifier (R) 4- 92  Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70  Plating Rectifier (R) 5- 86  Brush Selection and Maintenance for Electroplating Generators 6-107  Constant Potential Plating (P) 6-123  Improved Rheostats for Accurate Current Regulation (R) 6-123  Electrical Equipment Catalog (M) 8-113  Selenium Rectifiers (M) 8-116  Motor-Generators for Electroplating 9- 75  Rating Electrical Conductors (S) 11- 86  Electrodeposition of Arsenic (P) 11- 89  Copper-Oxide Rectifier Stacks (M) 11-113  Automatic Voltage Stabilizers (M) 11-115  Chandeyson Re-Designs Complete Line of Motor Generators (R) 12- 80  PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS  Insulation for Plating Racks 1- 65  Copper Plated Racking Wire (R) 4- 92  Plating Rack (P) 6-126	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-101  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-115  Mystik Tape Helps Prevent Damage, Personal Injury (R) 12-82  SILVER PLATING  Bright Dip for Silver (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Checking Silver Plating Solution (S) 2-76  Checking Silver Plate Thickness on Brass (S) 2-77  Tarnish and Corrosion Resistant Coating (R) 2-92  Blue Dip for Silver Plating (S) 3-76  Hardness of Plated Silver (S) 3-76  Silver Allov Plating (S) 3-76  Silver Allov Plating (S) 3-76	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zinc Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) Electronic Plating Thickness Tester (R) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Plating Thickness Gauge (R) Aluminum Sheet "Cleanliness" Tester (R) Radiometric Study of Phosphating Problems New Reagent Papers for Pore Testing of
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 1- 84 Acid and Fume-Proof Rectifier (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6-107 Constant Potential Plating (P) 6-123 Improved Rheostats for Accurate Current Regulation (R) 8-113 Selenium Rectifiers (M) 8-113 Selenium Rectifiers (M) 8-116 Motor-Generators for Electroplating 9- 75 Rating Electrical Conductors (S) 11- 86 Electrodeposition of Arsenic (P) 11- 89 Copper-Oxide Rectifier Stacks (M) 11-113 Automatic Voltage Stabilizers (M) 11-115 Chandeysson Re-Designs Complete Line of Motor Generators (R) 12- 80 PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS Insulation for Plating Racks 1- 65 Copper Plated Racking Wire (R) 4- 92 Plating Rack (P) 5- 6-126 Standard Sections for Easy Manufacture	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-101  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Eye Wash Fountain (R) 11-104  Mystik Tape Helps Prevent Damage, Personal Injury (R) 12-82  SILVER PLATING  Bright Dip for Silver Plating Solution (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating on Steel (S) 2-76  Checking Silver Plating on Steel (S) 2-76  Checking Silver Plating (S) 3-76  Hardness of Plated Silver (S) 3-76  Silver Alloy Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Silver Alloy Plating (S) 3-77	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zinc Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Plating Thickness Gauge (R) Radiometric Study of Phosphating Problems New Reagent Papers for Pore Testing of Plated Metals (A) Humidity Test Cabinet (R)  1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 79 2- 77 1- 77 1- 77 1- 77 1- 72 1- 77 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 72 1- 7
Control Circuit for Periodic Reverse Plating (P) 1- 79  Low Ripple Rectifiers (R) 4- 92  Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 86  Brush Selection and Maintenance for Electroplating Generators 6- 107  Constant Potential Plating (P) 6- 123  Improved Rheostats for Accurate Current Regulation (R) 8- 113  Selenium Rectifiers (M) 8- 113  Selenium Rectifiers (M) 8- 113  Selenium Rectifiers (M) 11- 115  Rating Electrical Conductors (S) 11- 86  Electrodeposition of Arsenic (P) 11- 89  Copper-Oxide Rectifier Stacks (M) 11- 113  Automatic Voltage Stabilizers (M) 11- 115  Chandeysson Re-Designs Complete Line of Motor Generators (R) 12- 80  PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS  Insulation for Plating Racks 1- 65  Copper Plated Racking Wire (R) 4- 92  Plating Rack (P) 5- 124  Standard Sections for Easy Manufacture of Efficient Plating Racks (R) 8- 96	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-104  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-115  Mystik Tape Helps Prevent Damage, Personal Injury (R) 12-82  SILVER PLATING  Bright Dip for Silver (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating on Steel (S) 2-76  Checking Silver Plating on Steel (S) 3-76  Checking Silver Plate Thickness on Brass (S) 3-76  Hardness of Plated Silver (S) 3-76  Hardness of Plated Silver (S) 3-76  Silver Alloy Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Slilver Alloy Plating (S) 3-76  Blistered Silver Plating (S) 3-77  New Bright Silver Plating Process (R) 3-85	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zinc Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) Electronic Plating Thickness Tester (R) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Aluminum Sheet "Cleanliness" Tester (R) Radiometric Study of Phosphating Problems New Reagent Papers for Pore Testing of Plated Metals (A) Humidity Test Cabinet (R) Surface Tension Control (M)  1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 78 1- 79 2- 76 7- 76 7- 76 7- 76 2- 77 2- 77 2- 77 2- 79 2- 79 2- 79 2- 79 2- 79 2- 79 2- 79 2- 79 2- 79 2- 79 2- 79 2- 79 2- 79 2- 79 2- 79 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2- 70 2-
Control Circuit for Periodic Reverse Plating (P) 1- 79  Low Ripple Rectifiers (R) 4- 92  Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70  Plating Rectifier (R) 5- 86  Brush Selection and Maintenance for Electroplating Generators 6- 107  Constant Potential Plating (P) 6- 123  Improved Rheostats for Accurate Current Regulation (R) 8- 113  Selenium Rectifiers (M) 8- 113  Selenium Rectifiers (M) 8- 113  Selenium Rectifiers (M) 11- 18  Electrical Equipment Catalog (M) 8- 113  Selenium Rectifiers (M) 11- 18  Copper-Oxide Rectifier Stacks (M) 11- 115  Chandeysson Re-Designs Complete Line of Motor Generators (R) 12- 80  PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS  Insulation for Plating Racks 1- 65  Copper Plated Racking Wire (R) 4- 92  Plating Rack (P) 5- Easy Manufacture of Efficient Plating Racks (R) 8- 96  New Literature Available (M) 9- 120	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-101  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-104  Safety Catalog (M) 11-105  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating on Steel (S) 2-76  Checking Silver Plating on Steel (S) 2-76  Checking Silver Plating (S) 3-76  Hardness of Plated Silver (S) 3-76  Silver Alloy Plating (S) 3-76  Silver Plating (A) 4-84	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zine Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) Electronic Plating Thickness Tester (R) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Plating Thickness Gauge (R) Aluminum Sheet "Cleanliness" Tester (R) Radiometric Study of Phosphating Problems New Reagent Papers for Pore Testing of Plated Metals (A) Humidity Test Cabinet (R) Surface Tension Control (M) New Testing Papers for the Identification First Papers for Pore Testing of Chromium Plating Baths (Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Plating Thickness Gauge (R) Aluminum Sheet "Cleanliness" Tester (R) First Papers for Pore Testing of Plated Metals (A) Humidity Test Cabinet (R) New Testing Papers for the Identification First Papers for Pore Testing of Chromium Plating Baths (Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) First Papers for Pore Testing of Chromium Plating Baths (Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) First Papers for Pore Testing of Chromium Plating Baths (Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) First Papers for Pore Testing of Chromium Plating Baths (Containing Fluorides and Fluoride
Control Circuit for Periodic Reverse Plating (P) 1- 79  Low Ripple Rectifiers (R) 4- 92  Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 86  Brush Selection and Maintenance for Electroplating Generators 6- 107  Constant Potential Plating (P) 6- 123  Improved Rheostats for Accurate Current Regulation (R) 8- 113  Selenium Rectifiers (M) 8- 113  Selenium Rectifiers (M) 8- 113  Selenium Rectifiers (M) 11- 115  Rating Electrical Conductors (S) 11- 86  Electrodeposition of Arsenic (P) 11- 89  Copper-Oxide Rectifier Stacks (M) 11- 113  Automatic Voltage Stabilizers (M) 11- 115  Chandeysson Re-Designs Complete Line of Motor Generators (R) 12- 80  PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS  Insulation for Plating Racks 1- 65  Copper Plated Racking Wire (R) 4- 92  Plating Rack (P) 5- 124  Standard Sections for Easy Manufacture of Efficient Plating Racks (R) 8- 96	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-101  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-104  Safety Catalog (M) 11-105  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating on Steel (S) 2-76  Checking Silver Plating on Steel (S) 2-76  Checking Silver Plating (S) 3-76  Hardness of Plated Silver (S) 3-76  Silver Alloy Plating (S) 3-76  Silver Plating (A) 4-84	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zinc Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Chamber of Metal Cleaners Measuring Average Thickness of Plated Coatings (D) Electronic Plating Thickness Tester (R) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Plating Thickness Gauge (R) Aluminum Sheet "Cleanliness" Tester (R) Radiometric Study of Phosphating Problems New Reagent Papers for Pore Testing of Plated Metals (A) Humidity Test Cabinet (R) Surface Tension Control (M) New Testing Papers for the Identification of Surface Porcs in Metals (S)
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 1- 84 Acid and Fume-Proof Rectifier (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6- 107 Constant Potential Plating (P) 6- 123 Improved Rheostats for Accurate Current Regulation (R) 8- 113 Selenium Rectifiers (M) 8- 113 Selenium Rectifiers (M) 8- 114 Motor-Generators for Electroplating 9- 75 Rating Electrical Conductors (S) 11- 86 Electrodeposition of Arsenic (P) 11- 89 Copper-Oxide Rectifier Stacks (M) 11- 113 Automatic Voltage Stabilizers (M) 11- 115 Chandeysson Re-Designs Complete Line of Motor Generators (R) 12- 80  PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS Insulation for Plating Racks 1- 65 Copper Plated Racking Wire (R) 4- 92 Plating Rack (P) 6- 126 Standard Sections for Easy Manufacture of Efficient Plating Racks (R) 8- 96 New Literature Available (M) 9- 120  RECOVERY & PURIFICATION METHODS Iron Contamination in Nickel Plating (S) 1- 77	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-98  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-101  All-Plastic Spectacle-Type Eye Shield (R) 11-104  Safety Catalog (M) 11-105  Silver Plating (R) 11-104  Safety Catalog (M) 11-115  Mystik Tape Helps Prevent Damage, Personal Injury (R) 12-82  SILVER PLATING  Bright Dip for Silver (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Bilistered Silver Plating Solution (S) 1-76  Checking Silver Plate Thickness on Brass (S) 2-76  Checking Silver Plate Thickness on Brass (S) 3-76  Hardness of Plated Silver (S) 3-76  Silver Alloy Plating (S) 3-76  Silver Alloy Plating (S) 3-76  Silver Plating (S) 3-76  Silver Plating (S) 3-77  New Bright Silver Plating Process (R) 3-85  Silver Plating (S) 3-77  New Bright Silver Plating (S) 4-85  Method of Silver Coating (P) 5-76	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zine Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zine (S) Checking Silver Plate Thickness on Brass (S) Checking Silver Plate Thickness on Brass (S) Test Paper for Alkaline Chromate Concentrations (P) Test Paper for Alkaline Chromate Concentrations (P) Test Paper for Alkaline Chromate Concentrations (P) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Aluminum Sheet "Cleanliness" Tester (R) Radiometric Study of Phosphating Problems New Reagent Papers for Pore Testing of Plated Metals (A) Humidity Test Cabinet (R) Surface Tension Control (M) New Testing Papers for the Identification of Surface Pores in Metals (S) A Course in the Principles and Practices
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6- 107 Constant Potential Plating (P) 6- 123 Improved Rheostats for Accurate Current Regulation (R) 8- 113 Selenium Rectifiers (M) 8- 113 Selenium Rectifiers (M) 8- 113 Selenium Rectifiers (M) 8- 114 Motor-Generators for Electroplating 9- 75 Rating Electrical Conductors (S) 11- 86 Electrodeposition of Arsenic (P) 11- 89 Copper-Oxide Rectifier Stacks (M) 11- 115 Chandeysson Re-Designs Complete Line of Motor Generators (R) 12- 80  PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS Insulation for Plating Racks 1- 65 Copper Plated Racking Wire (R) 4- 92 Plating Rack (P) 5- 120 Standard Sections for Easy Manufacture of Efficient Plating Racks (R) 8- 96 New Literature Available (M) 9- 120  RECOVERY & PURIFICATION METHODS Iron Contamination in Nickel Plating (S) 1- 77 Purifier for Chrome Baths (M) 1- 109	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-101  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-115  Safety Catalog (M) 11-115  Safety Catalog (M) 11-102  Eye Wash Fountain (R) 11-104  Silver Plating Osteel (S) 2-82  SILVER PLATING  Bright Dip for Silver (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating (S) 3-76  Checking Silver Plate Thickness on Brass (S) 2-76  Checking Silver Plating (S) 3-76  Hardness of Plated Silver (S) 3-76  Blistered Silver Plating (S) 3-76  Silver Alloy Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Silver Plating of Silver Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Silver Plating Osteel (S) 3-76  Silver Plating (S) 3-76  Silver Plating (S) 3-76  Silver Plating (S) 4-72  Staining of Silver Plating (A) 4-84  Partial Area Plating (S) 4-85  Method of Silver Coating (P) 5-76  Silver Plating Tableware (A) 7-68	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zine Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zine (S) Checking Silver Plate Thickness on Brass (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Plating Thickness Gauge (R) Aluminum Sheet "Cleanliness" Tester (R) Radiometric Study of Phosphating Problems New Reagent Papers for Pore Testing of Plated Metals (A) Humidity Test Cabinet (R) Surface Tension Control (M) New Testing Papers for the Identification of Surface Pores in Metals (S) A Metal Cleaning Test Using Radioactive  8-73 A Metal Cleaning Test Using Radioactive
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6- 107 Constant Potential Plating (P) 6- 123 Improved Rheostats for Accurate Current Regulation (R) 8- 113 Selenium Rectifiers (M) 8- 113 Selenium Rectifiers (M) 8- 113 Selenium Rectifiers (M) 8- 114 Motor-Generators for Electroplating 9- 75 Rating Electrical Conductors (S) 11- 86 Electrodeposition of Arsenic (P) 11- 89 Copper-Oxide Rectifier Stacks (M) 11- 115 Chandeysson Re-Designs Complete Line of Motor Generators (R) 12- 80  PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS Insulation for Plating Racks 1- 65 Copper Plated Racking Wire (R) 4- 92 Plating Rack (P) 5- 120 Standard Sections for Easy Manufacture of Efficient Plating Racks (R) 8- 96 New Literature Available (M) 9- 120  RECOVERY & PURIFICATION METHODS Iron Contamination in Nickel Plating (S) 1- 77 Purifier for Chrome Baths (M) 1- 109	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-104  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-115  Mystik Tape Helps Prevent Damage, Personal Injury (R) 12-82  SILVER PLATING  Bright Dip for Silver (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating on Steel (S) 2-76  Checking Silver Plating on Steel (S) 3-76  Checking Silver Plating (S) 3-76  Hardness of Plated Silver (S) 3-76  Hardness of Plated Silver (S) 3-76  Hardness of Plated Silver (S) 3-76  Silver Alloy Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Silver Alloy Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Silver Plating Oscopial (S) 3-76  Silver Plating (S) 4-85  Silver Plating (S) 4-85  Method of Silver Plating (A) 4-84  Partial Area Plating (S) 4-85  Method of Silver Coating (P) 5-78  Silver Brightener (R) 7-78  Silver Brightener (R) 7-78	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zinc Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Plating Thickness Gauge (R) Aluminity Test Cabinet (R) Surface Tension Control (M) New Testing Papers for Pore Testing of Plated Metals (A) New Testing Papers for Pore Testing of Plated Metals (A) New Testing Papers for Pore Testing of Plated Metals (B) A Course in the Principles and Practices of Electroplating A Metal Cleaning Test Using Radioactive Steprie Acid as Soil — Part II
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 4- 92 Low Ripple Rectifiers (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6- 107 Constant Potential Plating (P) 6- 123 Improved Rheostats for Accurate Current Regulation (R) 8- 113 Selenium Rectifiers (M) 8- 113 Selenium Rectifiers (M) 8- 113 Selenium Rectifiers (M) 8- 114 Motor-Generators for Electroplating 9- 75 Rating Electrical Conductors (S) 11- 86 Electrodeposition of Arsenic (P) 11- 89 Copper-Oxide Rectifier Stacks (M) 11- 113 Automatic Voltage Stabilizers (M) 11- 115 Chandeysson Re-Designs Complete Line of Motor Generators (R) 12- 80  PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS Insulation for Plating Racks 1- 65 Copper Plated Racking Wire (R) 4- 92 Plating Rack (P) 6- 126 Standard Sections for Easy Manufacture of Efficient Plating Racks (R) 8- 96 New Literature Available (M) 9- 120  RECOVERY & PURIFICATION METHODS Iron Contamination in Nickel Plating (S) 1- 77 Purifier for Chrome Baths (M) 1- 109 Dummy Plating (S) 2- 76 Carbonate Removal from Zinc Bath (S) 2- 76 Chrome Contamination of Cleaners (S) 2- 77	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-101  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-115  Mystik Tape Helps Prevent Damage, Personal Injury (R) 12-82  SILVER PLATING  Bright Dip for Silver (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Checking Silver Plating Solution (S) 2-76  Checking Silver Plate Thickness on Brass (S) 2-76  Checking Silver Plating (S) 3-76  Hardness of Plated Silver (S) 3-76  Blistered Silver Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Silver Plating of Silver Plotes (R) 3-85  Silver Plating (S) 4-84  Partial Area Plating (S) 4-84  Partial Area Plating (S) 4-85  Method of Silver Coating (P) 5-76  Silver Brightener (R) 5-71  Silver Brightener (R) 5-71  Silver Brightener (R) 5-76  Silver Brightener (R) 5-76  Silver Brightener (R) 5-76  Silver Depositing on Steel Tank (S) 11-86	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zinc Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Plating Thickness Gauge (R) Aluminity Test Cabinet (R) Surface Tension Control (M) New Testing Papers for Pore Testing of Plated Metals (A) New Testing Papers for Pore Testing of Plated Metals (A) New Testing Papers for Pore Testing of Plated Metals (B) A Course in the Principles and Practices of Electroplating A Metal Cleaning Test Using Radioactive Steprie Acid as Soil — Part II
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 1- 84 Acid and Fume-Proof Rectifier (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6- 107 Constant Potential Plating (P) 6- 123 Improved Rheostats for Accurate Current Regulation (R) 8- 113 Selenium Rectifiers (M) 8- 113 Selenium Rectifiers (M) 8- 113 Selenium Rectifiers (M) 8- 114 Motor-Generators for Electroplating 9- 75 Rating Electrical Conductors (S) 11- 86 Electrodeposition of Arsenic (P) 11- 89 Copper-Oxide Rectifier Stacks (M) 11- 113 Automatic Voltage Stabilizers (M) 11- 115 Chandeysson Re-Designs Complete Line of Motor Generators (R) 12- 80 PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS Insulation for Plating Racks 1- 65 Copper Plated Racking Wire (R) 4- 92 Plating Rack (P) 6- 126 Standard Sections for Easy Manufacture of Efficient Plating Racks (R) 8- 96 New Literature Available (M) 9- 120  RECOVERY & PURIFICATION METHODS  Iron Contamination in Nickel Plating (S) 1- 77 Purifier for Chrome Baths (M) 1- 109 Pummy Plating (S) 2- 76 Carbonate Removal from Zinc Bath (S) 2- 76 Chrome Contamination of Cleaners (S) 2- 77 Recovering Chromic Acid (R) 2- 82	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-101  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-104  Safety Catalog (M) 11-105  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating Solution (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating on Steel (S) 2-76  Checking Silver Plating (S) 3-76  Silver Alloy Plating (S) 3-76  Silver Plating (S) 3-76  Silver Plating (S) 4-85  Silver Plating Tableware (A) 7-78  Silver Plepositing on Steel Tank (S) 11-86  Silver Depositing on Steel Tank (S) 11-86	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zinc Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) Electronic Plating Thickness Tester (R) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Aluminum Sheet "Cleanliness" Tester (R) Radiometric Study of Phosphating Problems New Reagent Papers for Pore Testing of Plated Metals (A) New Testing Papers for the Identification of Surface Pores in Metals (S) A Course in the Principles and Practices of Electroplating A Metal Cleaning Test Using Radioactive Stearie Acid as Soil — Part II Testing of Anodic Coatings (A) Testing Cleaned Surfaces (P) Current Plating Mickness (R) Se Se Current Density Meter (R) Se Se
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6- 107 Constant Potential Plating (P) 6- 123 Improved Rheostats for Accurate Current Regulation (R) 8- 113 Selenium Rectifiers (M) 8- 113 Selenium Rectifiers (M) 8- 113 Selenium Rectifiers (M) 11- 18 Electrical Equipment Catalog (M) 8- 113 Selenium Rectifiers (M) 11- 18 Copper-Oxide Rectifier Stacks (M) 11- 115 Chandeysson Re-Designs Complete Line of Motor Generators (R) 12- 80  PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS Insulation for Plating Racks 1- 65 Copper Plated Racking Wire (R) 4- 92 Plating Rack (P) 5- 124 Standard Sections for Easy Manufacture of Efficient Plating Racks (R) 8- 96 New Literature Available (M) 9- 120  RECOVERY & PURIFICATION METHODS  Iron Contamination in Nickel Plating (S) 1- 77 Purifier for Chrome Baths (M) 1- 179 Carbonate Removal from Zinc Bath (S) 2- 76 Carbonate Removal from Zinc Bath (S) 2- 77 Recovering Chromic Acid (R) 2- 82	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-101  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-104  Safety Catalog (M) 11-104  Silver Plating Osteel (S) 2-82  SILVER PLATING  Bright Dip for Silver (S) 1-77  Disposal of Silver Plating Solution (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Checking Silver Plating (S) 2-76  Checking Silver Plating (S) 3-76  Hardness of Plated Silver (S) 3-76  Blistered Silver Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Silver Alloy Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Silver Plating Osteel (S) 4-84  New Bright Silver Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Silver Plating Tableware (A) 4-84  Partial Area Plating (S) 4-85  Method of Silver Coating (P) 5-76  Silver Brightener (R) 7-72  Silver Brightener (R) 7-78  Silver Depositing on Steel Tank (S) 11-86  Silver Depositing on Steel Tank (S) 11-87  Radioactivity Helps Study of Silver	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zine Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zine (S) Checking Silver Plate Thickness on Brass (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Plating Thickness Gauge (R) Aluminum Sheet "Cleanliness" Tester (R) Radiometric Study of Phosphating Problems New Reagent Papers for Pore Testing of Plated Metals (A) Humidity Test Cabinet (R) Surface Tension Control (M) New Testing Papers for the Identification of Surface Pores in Metals (S) A Course in the Principles and Practices of Electroplating A Metal Cleaning Test Using Radioactive Stearie Acid as Soil — Part II Testing of Anodic Coatings (A) See See Current Density Meter (R) See See Surface (P) See
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 1- 84 Acid and Fume-Proof Rectifier (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6- 107 Constant Potential Plating (P) 6- 123 Improved Rheostats for Accurate Current Regulation (R) 8- 113 Selenium Rectifiers (M) 8- 113 Selenium Rectifiers (M) 8- 114 Motor-Generators for Electroplating 9- 75 Rating Electrical Conductors (S) 11- 86 Electrodeposition of Arsenic (P) 11- 89 Copper-Oxide Rectifier Stacks (M) 11- 113 Automatic Voltage Stabilizers (M) 11- 115 Chandeysson Re-Designs Complete Line of Motor Generators (R) 12- 80  PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS Insulation for Plating Racks 1- 65 Copper Plated Racking Wire (R) 4- 92 Plating Rack (P) 6- 126 Standard Sections for Easy Manufacture of Efficient Plating Racks (R) 8- 96 New Literature Available (M) 9- 120  RECOVERY & PURIFICATION METHODS  Iron Contamination in Nickel Plating (S) 1- 77 Purifier for Chrome Baths (M) 1- 109 Dummy Plating (S) 2- 76 Carbonate Removal from Zine Bath (S) 2- 76 Chrome Contamination of Cleaners (S) 2- 77 Recovering Chromic Acid (R) 2- 82 The Role of Chelating Agents in the Plating Industry 3- 54	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-102  Safety First Shoe Catalog (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-101  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-104  Mystik Tape Helps Prevent Damage, Personal Injury (R) 12-82  SILVER PLATING  Bright Dip for Silver (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating solution (S) 1-78  Checking Silver Plate Thickness on Brass (S) 2-76  Checking Silver Plating (S) 3-76  Hardness of Plated Silver (S) 3-76  Hardness of Plated Silver (S) 3-76  Silver Alloy Plating (S) 3-76  Silver Alloy Plating (S) 3-76  Silver Plating (S) 4-85  Silver Plating on Steel (A) 4-84  Partial Area Plating (S) 4-85  Method of Silver Plating (R) 4-84  Partial Area Plating (S) 4-85  Method of Silver Coating (P) 5-76  Silver Brightener (R) 7-80	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zine Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (R) Aluminium Sheet "Cleanliness" Tester (R) Radiometric Study of Phosphating Problems New Reagent Papers for Pore Testing of Plated Metals (A) New Testing Papers for the Identification of Surface Pores in Metals (S) A Course in the Principles and Practices of Electroplating A Metal Cleaning Test Using Radioactive Stearie Acid as Soil — Part II Testing of Anodic Coatings (A) Testing Cleaned Surfaces (P) Current Density Meter (R) Sulletin on pH Theory and Practice (M)
Control Circuit for Periodic Reverse Plating (P) 1-79 Low Ripple Rectifiers (R) 1-84 Acid and Fume-Proof Rectifier (R) 4-92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5-70 Plating Rectifier (R) 5-86 Brush Selection and Maintenance for Electroplating Generators 6-107 Constant Potential Plating (P) 6-123 Improved Rheostats for Accurate Current Regulation (R) 6-130 Electrical Equipment Catalog (M) 8-113 Selenium Rectifiers (M) 8-116 Motor-Generators for Electroplating 9-75 Rating Electrical Conductors (S) 11-86 Electrodeposition of Arsenic (P) 11-89 Copper-Oxide Rectifier Stacks (M) 11-113 Automatic Voltage Stabilizers (M) 11-115 Chandeysson Re-Designs Complete Line of Motor Generators (R) 12-80  PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS Insulation for Plating Racks 1-65 Copper Plated Racking Wire (R) 4-92 Plating Rack (P) 6-126 Standard Sections for Easy Manufacture of Efficient Plating Racks (R) 9-120  RECOVERY & PURIFICATION METHODS Iron Contamination in Nickel Plating (S) 1-77 Purifier for Chrome Baths (M) 1-109 Pummy Plating (S) 2-76 Carbonate Removal from Zinc Bath (S) 2-76 Chrome Contamination of Cleaners (S) 2-77 Recovering Chromic Acid (R) 2-82 The Role of Chelating Agents in the Plating Industry 2-76 Determining Chromic Acid in Copper	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-101  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-104  Safety Catalog (M) 11-104  Silver Plating Osteel (S) 2-82  SILVER PLATING  Bright Dip for Silver (S) 1-77  Disposal of Silver Plating Solution (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Checking Silver Plating (S) 2-76  Checking Silver Plating (S) 3-76  Hardness of Plated Silver (S) 3-76  Blistered Silver Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Silver Alloy Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Silver Plating Osteel (S) 4-84  New Bright Silver Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Silver Plating Tableware (A) 4-84  Partial Area Plating (S) 4-85  Method of Silver Coating (P) 5-76  Silver Brightener (R) 7-72  Silver Brightener (R) 7-78  Silver Depositing on Steel Tank (S) 11-86  Silver Depositing on Steel Tank (S) 11-87  Radioactivity Helps Study of Silver	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zinc Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) Electronic Plating Thickness Tester (R) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Aluminum Sheet "Cleanliness" Tester (R) Radiometric Study of Phosphating Problems New Reagent Papers for Pore Testing of Plated Metals (A) Humidity Test Cabinet (R) Surface Tension Control (M) New Testing Papers for the Identification of Surface Pores in Metals (S) Testing Cleaned Surfaces (P) A Metal Cleaning Test Using Radioactive Stearie Acid as Soil — Part II Testing of Anodic Coatings (A) Separation of Carbonates in Cyanide Separation of Carbonates in Cyanide Separation of Carbonates in Cyanide
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 1- 84 Acid and Fume-Proof Rectifier (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6- 107 Constant Potential Plating (P) 6- 123 Improved Rheostats for Accurate Current Regulation (R) 8- 113 Selenium Rectifiers (M) 8- 113 Selenium Rectifiers (M) 8- 113 Selenium Rectifiers (M) 8- 116 Motor-Generators for Electroplating 9- 75 Rating Electrical Conductors (S) 11- 86 Electrodeposition of Arsenic (P) 11- 89 Copper-Oxide Rectifier Stacks (M) 11- 113 Automatic Voltage Stabilizers (M) 11- 115 Chandeysson Re-Designs Complete Line of Motor Generators (R) 12- 80  PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS  Insulation for Plating Racks 1- 65 Copper Plated Racking Wire (R) 4- 92 Plating Rack (P) 6- 126 Standard Sections for Easy Manufacture of Efficient Plating Racks (R) 8- 96 New Literature Available (M) 9- 120  RECOVERY & PURIFICATION METHODS  Iron Contamination in Nickel Plating (S) 1- 77 Purifier for Chrome Baths (M) 1- 109 Pummy Plating (S) 2- 76 Carbonate Removal from Zinc Bath (S) 2- 76 Chrome Contamination of Cleaners (S) 2- 77 Recovering Chromic Acid (R) 2- 82 The Role of Chelating Agents in the Plating Industry 3- 54 Removing Copper from Cadmium Bath (S) 4- 86	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-104  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-115  Mystik Tape Helps Prevent Damage, Personal Injury (R) 11-15  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating Solution (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating (S) 3-76  Catalogue (R) 3-76  Hardness of Plated Silver (S) 3-76  Hardness of Plated Silver (S) 3-76  Silver Alloy Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Silver Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Silver Plating Tableware (A) 4-84  Partial Area Plating (S) 4-85  Method of Silver Coating (P) 5-76  Silver Plating Tableware (A) 7-78  Silver Plating Tableware (B) 7-78	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zinc Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) Electronic Plating Thickness Tester (R) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Plating Thickness Gauge (R) Aluminum Sheet "Cleanliness" Tester (R) Radiometric Study of Phosphating Problems New Reagent Papers for Pore Testing of Plated Metals (A) Humidity Test Cabinet (R) Surface Tension Control (M) New Testing Papers for the Identification of Surface Porcs in Metals (S) A Course in the Principles and Practices of Electroplating A Metal Cleaning Test Using Radioactive Stearie Acid as Soil — Part II Surface Tension Control (M) New Testing Papers for the Identification of Surface Porcs in Metals (S) A Course in the Principles and Practices of Electroplating Testing of Anodic Coatings (A) See
Control Circuit for Periodic Reverse Plating (P) 1-79 Low Ripple Rectifiers (R) 4-92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5-70 Plating Rectifier (R) 5-86 Brush Selection and Maintenance for Electroplating Generators 6-107 Constant Potential Plating (P) 6-123 Improved Rheostats for Accurate Current Regulation (R) 8-113 Selenium Rectifiers (M) 8-113 Selenium Rectifiers (M) 8-114 Selenium Rectifiers (M) 11-115 Chandeysson Re-Designs Complete Line of Motor Generators for Electroplating 9-75 Rating Electrical Conductors (S) 11-86 Electrodeposition of Arsenic (P) 11-89 Copper-Oxide Rectifier Stacks (M) 11-115 Chandeysson Re-Designs Complete Line of Motor Generators (R) 12-80  PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS Insulation for Plating Racks 1-65 Copper Plated Racking Wire (R) 4-92 Plating Rack (P) 5-124 Standard Sections for Easy Manufacture of Efficient Plating Racks (R) 8-96 New Literature Available (M) 9-120  RECOVERY & PURIFICATION METHODS  Iron Contamination in Nickel Plating (S) 1-77 Purifier for Chrome Baths (M) 9-120  RECOVERY & PURIFICATION METHODS  Iron Contamination in Nickel Plating (S) 2-76 Carbonate Removal from Zinc Bath (S) 2-76 Carbonate Removal from Zinc Bath (S) 2-76 Carbonate Removal from Cicaners (S) 2-77 Recovering Chromic Acid (R) 2-82 The Role of Chelating Agents in the Plating Industry 3-54 Determining Chromic Acid in Copper Baths (S) 6-126 Elimination of Organic Impurities in 4-85 Removing Copper from Cadmium Bath (S) 4-86 Elimination of Organic Impurities in	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-104  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-115  Mystik Tape Helps Prevent Damage, Personal Injury (R) 12-82  SILVER PLATING  Bright Dip for Silver (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating solution (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating (S) 3-76  Checking Silver Plating (S) 3-76  Hardness of Plated Silver (S) 3-76  Hardness of Plated Silver (S) 3-76  Silver Alloy Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Silver Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Silver Plating Tableware (A) 4-84  Partial Area Plating (S) 4-85  Method of Silver Coating (P) 5-78  Silver Depositing on Steel Tank (S) 11-86  Silver Depositing on Steel Tank (S) 11-86  Silver Depositing on Steel Tank (S) 11-87  Radioactivity Helps Study of Silver  Barrel Silver Plating (S) 12-73  Brightener in Silver Baths (S) 12-73  Brightener in Silver Baths (S) 12-73	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zinc Solutions (L) Test for Chromate Films on Zinc (S) The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Test Paper for Alkaline Chromate Concentrations (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (R) Radiometric Study of Phosphating Problems New Reagent Papers for Pore Testing of Plated Metals (A) Humidity Test Cabinet (R) Surface Tension Control (M) New Testing Papers for the Identification of Surface Pores in Metals (S) A Course in the Principles and Practices of Electroplating A Metal Cleaning Test Using Radioactive Stearie Acid as Soil — Part II Testing of Anodic Coatings (A) Surface Comparator (R) Surface Comparator (R) Surface Surfaces (P) Current Density Meter (R) Surface Comparator (R) Sulletin on pH Theory and Practice (M) Determination of Carbonates in Cyanide Baths (A) Simple, Rapid Tests for Metal Testing and Differentiation (A) 9-79
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 1- 84 Acid and Fume-Proof Rectifier (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6- 107 Constant Potential Plating (P) 6- 123 Improved Rheostats for Accurate Current Regulation (R) 8- 113 Selenium Rectifiers (M) 8- 113 Selenium Rectifiers (M) 8- 114 Motor-Generators for Electroplating 9- 75 Rating Electrical Conductors (S) 11- 86 Electrodeposition of Arsenic (P) 11- 89 Copper-Oxide Rectifier Stacks (M) 11- 113 Automatic Voltage Stabilizers (M) 11- 115 Chandeysson Re-Designs Complete Line of Motor Generators (R) 12- 80  PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS Insulation for Plating Racks 1- 65 Copper Plated Racking Wire (R) 4- 92 Plating Rack (P) 6- 126 Standard Sections for Easy Manufacture of Efficient Plating Racks (R) 8- 96 New Literature Available (M) 9- 120  RECOVERY & PURIFICATION METHODS  Iron Contamination in Nickel Plating (S) 2- 76 Carbonate Removal from Zinc Bath (S) 2- 76 Chrome Contamination of Cleaners (S) 2- 77 Carbonate Removal from Zinc Bath (S) 2- 76 Chrome Contamination of Cleaners (S) 2- 77 Recovering Chromic Acid in Copper Baths (S) 4- 85 Elimination of Organic Impurities in Nickel Plating Baths (A) 5- 70	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-104  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-115  Mystik Tape Helps Prevent Damage, Personal Injury (R) 12-82  SILVER PLATING  Bright Dip for Silver Plating Solution (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating on Steel (S) 2-76  Checking Silver Plate Thickness on Brass (S) 3-76  Blistered Silver Plating (S) 3-76  Silver Plating Tableware (A) 4-84  Partial Area Plating (S) 4-85  Method of Silver Coating (P) 5-76  Silver Brightener (R) 7-88  Silver Brightener (R) 7-88  Silver Brightener (R) 7-88  Barrel Silver Plating (S) 11-87  Sepotting Out  Staining of Silver Baths (S) 11-87  Sepotting Out  Staining of Silver Plating (S) 12-73  Sepotting Out  Staining of Silver Plating (S) 12-73  Sepotting Out  Staining of Silver Plating (S) 12-73	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zinc Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) Electronic Plating Thickness Tester (R) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Aluminum Sheet "Cleanliness" Tester (R) Radiometric Study of Phosphating Problems New Reagent Papers for Pore Testing of Plated Metals (A) New Testing Papers for the Identification of Surface Porcs in Metals (S) A Course in the Principles and Practices of Electroplating A Metal Cleaning Test Using Radioactive Stearie Acid as Soil — Part II Surface Tension Control (M) New Testing Papers for the Identification of Surface Porcs in Metals (S) A Course in the Principles and Practices of Electroplating A Metal Cleaning Test Using Radioactive Stearie Acid as Soil — Part II Testing of Anodic Coatings (A) Session Current Density Meter (R) Session Course (R) Session C
Control Circuit for Periodic Reverse Plating (P) 1-79  Low Ripple Rectifiers (R) 4-92  Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5-70  Plating Rectifier (R) 5-86  Brush Selection and Maintenance for Electroplating Generators 6-107  Constant Potential Plating (P) 6-123  Improved Rheostats for Accurate Current Regulation (R) 8-113  Selenium Rectifiers (M) 8-116  Motor-Generators for Electroplating 9-75  Rating Electrical Conductors (S) 11-86  Electrodeposition of Arsenic (P) 11-89  Copper-Oxide Rectifier Stacks (M) 11-113  Automatic Voltage Stabilizers (M) 11-115  Chandeysson Re-Designs Complete Line of Motor Generators (R) 12-80  PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS  Insulation for Plating Racks 1-65  Copper Plated Racking Wire (R) 4-92  Plating Rack (P) 5-126  Standard Sections for Easy Manufacture of Efficient Plating Racks (R) 8-96  New Literature Available (M) 9-120  RECOVERY & PURIFICATION METHODS  Iron Contamination in Nickel Plating (S) 1-77  Purifier for Chrome Baths (M) 1-109  Dummy Plating (S) 2-76  Carbonate Removal from Zinc Bath (S) 2-76  Carbonate Removal from Zinc Bath (S) 2-76  Carbonate Removal from Zinc Bath (S) 2-76  Carbonate Removal from Candium Bath (S) 2-76  Chrome Contamination of Cleaners (S) 2-77  Recovering Chromic Acid (R) 2-82  The Role of Chelating Agents in the Plating Industry 3-54  Determining Chromic Acid in Copper Baths (S) -70  Removing Copper from Cadmium Bath (S) 4-86  Elimination of Organic Impurities in Nickel Plating Baths (A) 5-70  Removing Copper pare Admic Impurities in Nickel Plating Baths (A) 5-70	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-104  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-115  Mystik Tape Helps Prevent Damage, Personal Injury (R) 12-82  SILVER PLATING  Bright Dip for Silver (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating solution (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating (S) 3-76  Checking Silver Plating (S) 3-76  Hardness of Plated Silver (S) 3-76  Hardness of Plated Silver (S) 3-76  Silver Alloy Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Silver Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Silver Plating Tableware (A) 4-84  Partial Area Plating (S) 4-85  Method of Silver Coating (P) 5-78  Silver Depositing on Steel Tank (S) 11-86  Silver Depositing on Steel Tank (S) 11-86  Silver Depositing on Steel Tank (S) 11-87  Radioactivity Helps Study of Silver  Barrel Silver Plating (S) 12-73  Brightener in Silver Baths (S) 12-73  Brightener in Silver Baths (S) 12-73	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zine Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zine (S) Checking Silver Plate Thickness on Brass (S) Checking Silver Plate Thickness on Brass (S) Test Paper for Alkaline Chromate Concentrations (P) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Plating Thickness Gauge (R) Aluminum Sheet "Cleanliness" Tester (R) Radiometric Study of Phosphating Problems Aluminum Sheet "Cleanliness" Tester (R) Radiometric Study of Phosphating Problems Surface Tension Control (M) New Reagent Papers for Pore Testing of Plated Metals (A) Humidity Test Cabinet (R) Surface Tension Control (M) New Testing Papers for the Identification of Surface Pores in Metals (S) A Course in the Principles and Practices of Electroplating A Metal Cleaning Test Using Radioactive Stearie Acid as Soil — Part II Testing of Anodic Coatings (A) Surface Pores in Metals (S) A Metal Cleaning Test Using Radioactive Stearie Acid as Soil — Part II Testing of Anodic Coatings (A) Surface Parsifim Surface Comparator (R) Sulletin on pH Theory and Practice (M) Determination of Carbonates in Cyanide Baths (A) Sumple, Rapid Tests for Metal Testing and Differentiation (A) Salt Spray Cabinet (R) Sabrasion Tester for Cylindrical Parts (R) Spray Cabinet (R) Spray Cabi
Control Circuit for Periodic Reverse Plating (P) 1-79 Low Ripple Rectifiers (R) 4-92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5-70 Plating Rectifier (R) 5-86 Brush Selection and Maintenance for Electroplating Generators 6-107 Constant Potential Plating (P) 6-123 Improved Rheostats for Accurate Current Regulation (R) 8-113 Selenium Rectifiers (M) 8-116 Motor-Generators for Electroplating 9-75 Rating Electrical Conductors (S) 11-86 Electrodeposition of Arsenic (P) 111-89 Copper-Oxide Rectifier Stacks (M) 11-113 Automatic Voltage Stabilizers (M) 11-115 Chandeysson Re-Designs Complete Line of Motor Generators (R) 12-80 PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS Insulation for Plating Racks 1-65 Copper Plated Racking Wire (R) 4-92 Plating Rack (P) 6-126 Standard Sections for Easy Manufacture of Efficient Plating Racks (R) 8-96 New Literature Available (M) 9-120  RECOVERY & PURIFICATION METHODS Iron Contamination in Nickel Plating (S) 1-77 Purifier for Chrome Baths (M) 1-109 Dummy Plating (S) 2-76 Carbonate Removal from Zinc Bath (S) 2-76 Chrome Contamination of Cleaners (S) 2-77 Recovering Chromic Acid (R) 2-82 The Role of Chelating Agents in the Plating Industry 2-84 Elimination of Organic Impurities in Nickel Plating Baths (A) 8-84 Elimination of Organic Impurities in Nickel Plating Baths (A) 5-70 Removing Copper from Cadmium Bath (S) 5-70 Removing Copper and Zinc from Chromium Baths (S) 5-70 Removing Copper and Zinc from Chromium Baths (S) 5-70 Removing Copper and Zinc from Chromium Baths (S) 5-70 Removing Copper and Zinc from Chromium Baths (S) 5-70 Removing Copper and Zinc from Chromium Baths (S) 5-70 Removing Copper and Zinc from Chromium Baths (S) 5-70 Removing Copper and Zinc from Chromium Baths (S) 5-70 Removing Copper and Zinc from Chromium Baths (S) 5-74	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-101  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-115  Safety Catalog (M) 11-115  Safety Catalog (M) 11-102  Silver Plating Ostoel (S) 2-76  Checking Silver Plating Solution (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating (S) 3-76  Checking Silver Plating (S) 3-76  Hardness of Plated Silver (S) 3-76  Blistered Silver Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Silver Plating (S) 3-76  Blistered Silver Plating (S) 3-76  Silver Depositing on Steel Tank (S) 11-87  Radioactivity Helps Study of Silver  Barrel Silver Plating (S) 12-73  Brighteners 12-63  Barrel Silver Plating (S) 12-73  Brightener in Silver Baths (S) 12-73  SPOTTING OUT	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zinc Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) Electronic Plating Thickness Tester (R) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Plating Thickness Gauge (R) Aluminum Sheet "Cleanliness" Tester (R) Radiometric Study of Phosphating Problems New Reagent Papers for Pore Testing of Plated Metals (A) Humidity Test Cabinet (R) Surface Tension Control (M) New Testing Papers for the Identification of Surface Porcs in Metals (S) A Course in the Principles and Practices of Electroplating A Metal Cleaning Test Using Radioactive Stearie Acid as Soil — Part II Stearie Acid as Soil — Pa
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 1- 84 Acid and Fume-Proof Rectifier (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 76 Plating Rectifier (R) 5- 76 Brush Selection and Maintenance for Electroplating Generators (Constant Potential Plating (P) 6-123 Improved Rheostats for Accurate Current Regulation (R) 8- 113 Selenium Rectifiers (M) 8- 113 Selenium Rectifiers (M) 8- 113 Selenium Rectifiers (M) 8- 114 Motor-Generators for Electroplating 9- 75 Rating Electrical Conductors (S) 11- 86 Electrodeposition of Arsenic (P) 11- 89 Copper-Oxide Rectifier Stacks (M) 11- 113 Automatic Voltage Stabilizers (M) 11- 115 Chandeysson Re-Designs Complete Line of Motor Generators (R) 12- 80  PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS Insulation for Plating Racks 1- 65 Copper Plated Racking Wire (R) 4- 92 Plating Rack (P) 6- 126 Standard Sections for Easy Manufacture of Efficient Plating Racks (R) 8- 96 New Literature Available (M) 9- 120  RECOVERY & PURIFICATION METHODS  Iron Contamination in Nickel Plating (S) 1- 77 Purifier for Chrome Baths (M) 1- 109 Dummy Plating (S) 2- 76 Carbonate Removal from Zinc Bath (S) 2- 76 Carbonate Removal from Zinc Bath (S) 2- 76 Chrome Contamination of Cleaners (S) 2- 77 Recovering Chromic Acid in Copper Baths (S) 4- 85 Elemination of Organic Impurities in Nickel Plating Baths (A) 5- 70 Removing Copper from Cadmium Bath (S) 4- 86 Elemination of Organic Impurities in Nickel Plating Baths (A) 5- 70 Removing Copper and Zinc from Chromium Baths (S) 5- 74 Purification of Acid Copper Baths (S) 8- 84 Purifying Chromium Baths (P) 8- 86	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Safety Valve (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-101  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-115  Mystik Tape Helps Prevent Damage, Personal Injury (R) 12-82  SILVER PLATING  Bright Dip for Silver Plating Solution (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating (S) 3-76  Checking Silver Plate Thickness on Brass (S) 3-76  Blistered Silver Plating (S) 3-76  Blistered	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zine Solutions (L) Test for Chromate Films on Zine (S) The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zine (S) Checking Silver Plate Thickness on Brass (S) Checking Silver Plate Thickness on Brass (S) Test Paper for Alkaline Chromate Concentrations (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) Electronic Plating Thickness Tester (R) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Plating Thickness Gauge (R) Aluminum Sheet "Cleanliness" Tester (R) Radiometric Study of Phosphating Problems New Reagent Papers for Pore Testing of Plated Metals (A) Humidity Test Cabinet (R) Surface Tension Control (M) New Testing Papers for the Identification of Surface Pores in Metals (S) A Course in the Principles and Practices of Electroplating A Metal Cleaning Test Using Radioactive Stearie Acid as Soil — Part II Testing Cleaned Surfaces (P) Current Density Meter (R) New Faxfilm Surface Comparator (R) Selletin on pH Theory and Practice (M) Determination of Carbonates in Cyanide Baths (A) Simple, Rapid Tests for Metal Testing and Differentiation (A) Salt Spray Cabinet (R) Abrasion Tester for Cylindrical Parts (R) APractical Evaluation of Metallic Coat-
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6-107 Constant Potential Plating (P) 6-123 Improved Rheostats for Accurate Current Regulation (R) 8-113 Selenium Rectifiers (M) 8-113 Selenium Rectifiers (M) 8-116 Motor-Generators for Electroplating 9- 75 Rating Electrical Conductors (S) 11- 86 Electrodeposition of Arsenic (P) 11- 89 Copper-Oxide Rectifier Stacks (M) 11-113 Automatic Voltage Stabilizers (M) 11-115 Chandeysson Re-Designs Complete Line of Motor Generators (R) 12- 80  PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS Insulation for Plating Racks 1- 65 Copper Plated Racking Wire (R) 4- 92 Plating Rack (P) 6-126 Standard Sections for Easy Manufacture of Efficient Plating Racks (R) 8- 96 New Literature Available (M) 9-120  RECOVERY & PURIFICATION METHODS Iron Contamination in Nickel Plating (S) 2- 76 Carbonate Removal from Zinc Bath (S) 2- 76 Chrome Contamination of Cleaners (S) 2- 77 Recovering Chromic Acid (R) 2- 82 The Role of Chelating Agents in the Plating Industry 3- 54 Elimination of Organic Impurities in Nickel Plating Baths (A) 5- 70 Removing Copper and Zinc from Chromium Baths (S) 5- 70 Removing Copper from Cadmium Bath (S) 4- 86 Elimination of Acid Copper Baths (S) 5- 70 Purification of Acid Copper Baths (S) 8- 84 Purifying Chromium Baths (P) 8- 86	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-101  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-115  Mystik Tape Helps Prevent Damage, Personal Injury (R) 11-15  SILVER PLATING  Bright Dip for Silver (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating Solution (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating (S) 3-76  Checking Silver Plating (S) 3-76  Hardness of Plated Silver (S) 3-76  Hardness of Plated Silver (S) 3-76  Silver Alloy Plating (S) 3-76  Silver Alloy Plating (S) 3-76  Silver Plating Tableware (A) 7-89  Silver Plating Tableware (A) 7-89  Silver Plating Tableware (B) 7-80  Silver Plating Ta	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zinc Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) Electronic Plating Thickness Tester (R) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Aluminum Sheet "Cleanliness" Tester (R) Radiometric Study of Phosphating Problems New Reagent Papers for Pore Testing of Plated Metals (A) Humidity Test Cabinet (R) Surface Tension Control (M) New Testing Papers for the Identification of Surface Porcs in Metals (S) A Course in the Principles and Practices of Electroplating A Metal Cleaning Test Using Radioactive Stearie Acid as Soil — Part II Surface Tension Control (M) New Faxfilm Surface Comparator (R) Surface Porcs in Metals (S) A Metal Cleaning Test Using Radioactive Stearie Acid as Soil — Part II Stearing of Anodic Coatings (A) Service Current Density Meter (R) Salt Spray Cabinet (R) Salt Spray
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 1- 84 Acid and Fume-Proof Rectifier (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6- 107 Constant Potential Plating (P) 6- 123 Improved Rheostats for Accurate Current Regulation (R) 8- 113 Selenium Rectifiers (M) 11- 115 Chandeysson Re-Designs Complete Line of Motor-Generators (R) 11- 115 Chandeysson Re-Designs Complete Line of Motor Generators (R) 11- 115 Chandeysson Re-Designs Complete Line of Motor Generators (R) 12- 80  PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS Insulation for Plating Racks 1- 65 Copper Plated Racking Wire (R) 4- 92 Plating Rack (P) 6- 126 Standard Sections for Easy Manufacture of Efficient Plating Racks (R) 8- 96 New Literature Available (M) 9- 120  RECOVERY & PURIFICATION METHODS  Iron Contamination in Nickel Plating (S) 1- 77 Purifier for Chrome Baths (M) 9- 120  RECOVERY & PURIFICATION METHODS  Iron Contamination of Cleaners (S) 2- 76 Carbonate Removal from Zinc Bath (S) 2- 76 Chrome Contamination of Cleaners (S) 2- 77 Recovering Chromic Acid (R) 2- 82 The Role of Chelating Agents in the Plating Industry (Copper Baths (S) 4- 86 Elmination of Organic Impurities in Nickel Plating Baths (A) 5- 70 Removing Copper from Cadmium Bath (S) 4- 86 Removing Copper pand Zinc from Chromium Baths (S) 5- 70 Removing Copper from Cadmium Bath (S) 6- 86 Removal of Excess Sulfate from a Chromium Baths (S) 6- 86	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122 Miniature Circuit Breaker (R) 10-91 Mat Switches and Accessories (R) 10-94 Safety Valve (R) 10-94 Protective Masks (R) 10-98 Plastic Safety Goggle (R) 10-100 New Orlon Catalogue (M) 10-101 Neoprene Connectors (M) 10-102 Safety First Shoe Catalog (M) 10-102 Control of Dermatitis (M) 10-102 Control of Dermatitis (M) 10-104 Floor Resurfacer (R) 11-98 Floor Patch Dries Almost Instantly (R) 11-101 All-Plastic Spectacle-Type Eye Shield (R) 11-102 Eye Wash Fountain (R) 11-104 Safety Catalog (M) 11-115 Safety Catalog (M) 11-115 Safety Catalog (M) 11-102 Eye Wash Fountain (R) 11-104 Safety Catalog (M) 11-105 Silver Plating Ostoel (S) 2-76 Checking Silver Plating Solution (S) 1-78 Silver Plating Over Nickel Plate (L) 1-95 Blistered Silver Plating (S) 2-76 Checking Silver Plate Thickness on Brass (S) 2-77 Tarnish and Corrosion Resistant Coating (R) 2-92 Blue Dip for Silver Plating (S) 3-76 Blistered Silver Plating (S) 3-76 Silver Alloy Plating (S) 3-76 Blistered Silver Plating (S) 3-76 Blistered Silver Plating (S) 3-76 Silver Plating Silver Plating (S) 3-76 Blistered Silver Plating (S) 3-76 Silver Plating Silver Plating (S) 3-76 Silver Plating Silver Plating (S) 3-76 Silver Brightener (R) 7-78	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zine Solutions (L) The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) Electronic Plating Thickness Tester (R) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Plating Thickness Gauge (R) Aluminum Sheet 'Cleanliness' Tester (R) Radiometric Study of Phosphating Problems New Reagent Papers for Pore Testing of Plated Metals (A) Humidity Test Cabinet (R) Surface Tension Control (M) New Testing Papers for the Identification of Surface Pores in Metals (S) A Course in the Principles and Practices of Electroplating A Metal Cleaning Test Using Radioactive Stearie Acid as Soil — Part II Testing of Anodic Coatings (A) Surface Pores in Metals (S) A Metal Cleaning Test Using Radioactive Stearie Acid as Soil — Part II Testing Cleaned Surfaces (P) Salt Spray Cabinet (R) Surface Pores in Metals (S) Surface Pores in Metals (S) A Metal Cleaning Test Using Radioactive Stearie Acid as Soil — Part II Testing Cleaned Surfaces (P) Salt Spray Cabinet (R) Surface Pores in Metals (S) A Metal Cleaning Test Using Radioactive Stearie Acid as Soil — Part II Testing Cleaned Surfaces (P) Salt Spray Cabinet (R) Surface Pores in Metals (S) A Practical Evaluation of Metallic Coatings (A) Salt Spray Cabinet (R) Abrasion Tester for Cylindrical Parts (R) Paper Capitalium (A) A Practical Evaluation of Metallic Coatings as Affecting Sensitivity to Stress-Corrosion Failure (D)  1- 73 1- 73 1- 73 1- 73 1- 73 1- 74 1- 75 1- 74 1- 75 1- 70 1- 70 1- 70 1- 70 1- 70 1- 70 1-
Control Circuit for Periodic Reverse Plating (P) 1- 79 Low Ripple Rectifiers (R) 4- 92 Influence of Wave Form of Rectified Direct Current on Growth and Properties of Plated Metals (A) 5- 70 Plating Rectifier (R) 5- 86 Brush Selection and Maintenance for Electroplating Generators 6-107 Constant Potential Plating (P) 6-123 Improved Rheostats for Accurate Current Regulation (R) 8-113 Selenium Rectifiers (M) 8-113 Selenium Rectifiers (M) 8-116 Motor-Generators for Electroplating 9- 75 Rating Electrical Conductors (S) 11- 86 Electrodeposition of Arsenic (P) 11- 89 Copper-Oxide Rectifier Stacks (M) 11-113 Automatic Voltage Stabilizers (M) 11-115 Chandeysson Re-Designs Complete Line of Motor Generators (R) 12- 80  PUMPS—See Filters and Pumps  RACKS AND RACK COATINGS Insulation for Plating Racks 1- 65 Copper Plated Racking Wire (R) 4- 92 Plating Rack (P) 6-126 Standard Sections for Easy Manufacture of Efficient Plating Racks (R) 8- 96 New Literature Available (M) 9-120  RECOVERY & PURIFICATION METHODS Iron Contamination in Nickel Plating (S) 2- 76 Carbonate Removal from Zinc Bath (S) 2- 76 Chrome Contamination of Cleaners (S) 2- 77 Recovering Chromic Acid (R) 2- 82 The Role of Chelating Agents in the Plating Industry 3- 54 Elimination of Organic Impurities in Nickel Plating Baths (A) 5- 70 Removing Copper and Zinc from Chromium Baths (S) 5- 70 Removing Copper from Cadmium Bath (S) 4- 86 Elimination of Acid Copper Baths (S) 5- 70 Purification of Acid Copper Baths (S) 8- 84 Purifying Chromium Baths (P) 8- 86	Equipment Catalog Highlights Items for Economy and Safety (M) 9-122  Miniature Circuit Breaker (R) 10-91  Mat Switches and Accessories (R) 10-94  Protective Masks (R) 10-98  Plastic Safety Goggle (R) 10-100  New Orlon Catalogue (M) 10-101  Neoprene Connectors (M) 10-102  Safety First Shoe Catalog (M) 10-102  Control of Dermatitis (M) 10-102  Control of Dermatitis (M) 10-103  Immediate Setting Floor Patch (M) 10-104  Floor Resurfacer (R) 11-98  Floor Patch Dries Almost Instantly (R) 11-101  All-Plastic Spectacle-Type Eye Shield (R) 11-102  Eye Wash Fountain (R) 11-104  Safety Catalog (M) 11-115  Mystik Tape Helps Prevent Damage, Personal Injury (R) 11-15  SILVER PLATING  Bright Dip for Silver (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating Solution (S) 1-78  Silver Plating Over Nickel Plate (L) 1-95  Blistered Silver Plating (S) 3-76  Checking Silver Plating (S) 3-76  Hardness of Plated Silver (S) 3-76  Hardness of Plated Silver (S) 3-76  Silver Alloy Plating (S) 3-76  Silver Alloy Plating (S) 3-76  Silver Plating Tableware (A) 7-89  Silver Plating Tableware (A) 7-89  Silver Plating Tableware (B) 7-80  Silver Plating Ta	Baths Using Radiobarium Testing for Chromate Film on Zinc Plate (S) Hull Cell Rectifier (R) Buffer Tablets (R) Control of Bright Zinc Solutions (L) Evaluating Metal Cleaning Efficiency The Perchloric-Formic Acid Method for Gold Test for Chromate Films on Zinc (S) Checking Silver Plate Thickness on Brass (S) Checking Silver Plate Thickness on Brass (S) Stress-Measuring Instrument for Plating (P) Test Paper for Alkaline Chromate Concentrations (P) Universal pH Meter (R) Rapid Identification (Spot Testing) of Metals and Alloys (T) Chemical Analysis and Control of Alkaline Metal Cleaners Measuring Average Thickness of Plated Coatings (D) Electronic Plating Thickness Tester (R) The Analysis of Chromium Plating Baths Containing Fluorides and Fluosilicates Making a Salt Spray Tester (S) Aluminum Sheet "Cleanliness" Tester (R) Radiometric Study of Phosphating Problems New Reagent Papers for Pore Testing of Plated Metals (A) Humidity Test Cabinet (R) Surface Tension Control (M) New Testing Papers for the Identification of Surface Porcs in Metals (S) A Course in the Principles and Practices of Electroplating A Metal Cleaning Test Using Radioactive Stearie Acid as Soil — Part II Surface Tension Control (M) New Faxfilm Surface Comparator (R) Surface Porcs in Metals (S) A Metal Cleaning Test Using Radioactive Stearie Acid as Soil — Part II Stearing of Anodic Coatings (A) Service Current Density Meter (R) Salt Spray Cabinet (R) Salt Spray

Nomogram for Analysis of Watts Type	Dynaclone Dust Filter (M)	10-104	Anodizing Aluminum with Sulfamic
Nickel Plating Solutions 11- 76	High Pressure Blower (R)		Acid - Part II 11- 65
Simplified Analytical Procedure for Potassium Cyanide Baths (A)	WASTES, DISPOSAL OF		Goldman, I.—Nomogram for Analysis of Watts Type Nickel Plating Solutions 11-76
Coating Test for Tinned Copper Conduc-	Dragout Control Part III	1- 60	Gray, Albert Woodruff-Patent Law in the
tors (A) 11- 84 Where to Get It (S) 11- 86	Disposal of Silver Plating Solution (S)	1- 78	Metal Finishing Industry 7-46 Gruberg, Leon D.—Felt for Metal Finish-
Temperature-Humidity Test Chambers (R) 11-96 Radiometric Evaluation of the Effective-	Ohio River Valley Pollution Report (T) Profitable Chromate Wastes	1- 95	ing and Polishing 9-58 Halls, E. E.—Acid Pickling Solutions 10-74
ness of the Chromic Acid Rinse Treat-	Disposal of Pickling Waste Liquors by		Hannon, C. HA Practical Evaluation of
ment for Phosphated Work	Neutralization (A) Treatment of Waste Pickle Liquor (P)	11- 88	Metallic Coatings as Affecting Sensi- tivity to Stress-Corrosion Failure 10-65
Brighteners         12- 63           Copper Sulfate Test (S)         12- 73			Hensley, J. W.—A Metal Cleaning Test Using Radioactive Stearic Acid as Soil
Testing Thickness of Anodize (S)	WATER Dragout Control - Part III	1 00	- Part I 7- 49
THALLIUM PLATING	Dragout Control — Part III	2- 82	A Metal Cleaning Test Using Radio- active Stearic Acid as Soil—Part II 8-77
Electroplating Thallium from Fluoborate	High Accuracy in Flowmeters (R) Profitable Chromate Wastes	2- 89	Hood, Robert T.—Material Control in Nickel Chrome Plating
Baths (A) 5- 71	Mono-Bed Demineralizer Features Auto-		Hood, T. A.—Chromium Plating Baths
THEORETICAL	Ion-Exchanger (R)	10- 99	Horn, Herbert E Some Notes on Hard-
Effect of Foreign Bodies on Electro-Crys-	Zeolite Water Softeners (M) Exceptionally Compact, 100 GPH Mono-		Coating Aluminum 6-110 Hunt, H. K.—Buffing Compounds 7-65
tallization of Plated Metals (A) 6-120 Studies of the Cathodic and Anodic Be-	Column Demineralizer (R)	12- 84	Alkali Cleaner "Life" 10-72 Kimura, Yasuyuki—Anodizing Aluminum
havior of Metals (A)	WETTING AGENTS		with Sulfamic Acid - Part I 10- 67
TIN PLATING	Drying Metals by Water Displacement (R)	2- 82	Anodizing Aluminum with Sulfamic Acid — Part II
Heavy Immersion Tin Plating 2- 69	Surface Active Agent for Eliminating Plating Stains (R)	2- 85	Knight, W. B.—White Brass Plating — A Progress Report
Brightening Tin-Coated Strip (P) 2-79 The Passivation of Tinplate (A) 3-73	Surface Active Agents (R) Wetting Agents (M)	2- 90	Kushner, Joseph B.—Dragout Control —
Research on Electrotinned Steel Strip (A) 6-121		v-120	Part III 1-60 Langford, K. E.—Chemical Analysis and
Addition Agent for Tin Plating (P) 6-125 Research on Electrotin Flowing Process	ZINC PLATING	1 00	Control of Alkaline Metal Cleaners 3-66 Marshall, W. A. — A Non-Electrolytic
(A) 9- 78 A Practical Evaluation of Metallic Coat-	Control of Bright Zinc Solutions (L) Zinc Plating from Acid Baths (A)	2- 75	Smoothing Treatment for Steel 11-78
ings as Affecting Sensitivity to Stress-	Lowering Zinc Content (S)	2- 76 2- 76	ment for Steel-Part II 12- 67
Corrosion Failure	Faulty Zinc Bright Dipping (S)	2- 76	Murphy, Nelson F.—Electroplating with
Coating Test for Tinned Copper Conduc-	Recent Developments in Cyanide Zinc Plating Baths (A)	3- 72	Aluminum 4-76 Murray, H. M. LHealth Hazards in
tors (A) 11- 84 Method of Treating Tin Plate (P) 11- 90	White Brass vs. Zinc Plating (S)	3- 76	Electroplating Plants 5- 62
TUMBLING AND BARREL FINISHING	Zinc Plating on Magnesium (R) Zinc Plating at High Current Densities	3-84	Mustin, Gorden S.—Surface Treatment and Plating in Naval Aircraft 2-53
Tumbling Barrel (P) 2-79	(A)	4-84	Narcus, Dr. Harold—The Role of Chelat- ing Agents in the Plating Industry 3-54
Barrel Finishing at Eureka-Williams 3-52 Stationary Fixture Machine for Barrel	Zinc Plating vs. Galvanizing (S) Electrolytic Separation of Tin and Lead	4- 86	Newton, E. H. Radioactivity Helps Study of Silver Brighteners 12-63
Finishing (R) 3-88	(P) Acid Zine Plating (P)	4- 87	Paulson, C. F Profitable Chromate
Shorter Deburring Time (R) 3-90 Ground Corn Cobs (R) 4-93	Plated Coatings for High Temperature		Wastes 5-48 Powell, C. F.—The Formation of Metallic
Barrel Burnishing Powder for Copper Alloys (R) 5-84	Service (S) Zinc Coating Process for Aluminum (P)	5- 75	Coatings by Vapor-Phase Techniques 4- 64 Raymond, Walter A.—Metal Finishing De-
Liquid Honing Equipment (R) 5- 88	Bright Dipping Barrel Zinc Plated Parts	6-122	velopments in 1951 1- 50
Parts and Chips Separator and Chip Grader (R) 6-136	Re-Galvanizing Welded Seams on Galvan-		Reinholz, Joe—Barrel Finishing at Eur-
Small Parts Finishing System (R) 6-139 All-Purpose Barrel Burnishing Compound	ized Sheet Metal (R) Studies of the Cathodic and Anodic Be-		eka-Williams 3- 52 Rudolph, Walter—Finishing Cast Iron
(R) 6-140 Burnishing Machines (M) 6-167	Avior of Metals (A)	8- 85	Skillets 5- 60 Schroeder, E. G.—Motor-Generators for
Barrel Finishing Machines (P) 7-77	Bright Zinc Electroplating (P) Unreliable Zinc Plating Solution (S)	8- 86	Electroplating 9- 75
Abrasive Chips (R) 8-94 Combination Separator (R) 8-99	Lowering the pH of Zinc and Cadmium		Serota, Louis—A Course in the Principles and Practices of Electroplating 8-73
"Pocket Tumblers" for Small Parts (R) 9-89 Case History Portfolio (M) 9-124	Baths (S) New Cold Galvanizing Process (R)	9- 96	Seymour, Raymond B.—Fabricated Plas- tics in the Plating Industry
Tumbling Machine (P) 10-87	Protective Plating for Light Construc- tional Steelwork Units (A)	10- 80	Silman, Harold-People and Industry 5- 51
Tumbling Machine (P)         11-90           Burnishing Machine (P)         12-76           Tumbling Barrel (R)         12-83	Precipitating Heavy Metals in Zinc Solu-		Silverman, Louis—The Perchloric-Formic Acid Method for Gold
rumbling Barrel (R) 12- 83	Electrodeposition of Zinc (P)	10- 84	Metal 11-75
TUNGSTEN	Electrolytic Method of Winning Zinc (P) Electrodeposition of Zinc on Uranium	10- 84	Skinner, H. A.—A Metal Cleaning Test Using Radioactive Stearic Acid as Soil—,
Chemical Polishing of Tungsten (P) 2-79	Metal	11- 75	Part I 7- 49
VACUUM DEPOSITION OF METALS			A Metal Cleaning Test Using Radio- active Stearic Acid as Scil—Part II 8-77
Modern Vacuum Surface Coating Process-	INDEX TO AUTHORS		Spring, Samuel Evaluating Metal Clean- ing Efficiency 2- 65
es (A)	Burt, Fred M A Modern, Efficient Plat-	_	Starr, John Finishing Magnesium 10-62 Sussman, H. W.—Brush Selection and
Vapor-Phase Techniques 4- 64 Electroplating with Aluminum 4- 76	ing and Polishing Plant	7- 57	Maintenance for Electroplating Genera-
Vacuum Metallizing Process (P) 6-125	ers Campbell, I. E.—The Formation of Metal-	8- 67	tors Suter, H. R.—A Metal Cleaning Test Us-
Spot Gaseous Plating (P) 6-127 Metal Films by Precipitation of Volatilized	lic Coatings by Vapor-Phase Techniques	4- 64	ing Radioactive Stearic Acid as Soil — Part I — 7- 49
Metals (A) 7- 69 Brochure on Vacuum Metallizing (M) 8-112	Caplow, A. I.—Brush Selection and Main- tenance for Electroplating Cenerators	6-107	A Metal Cleaning Test Using Radio-
Carbonyl Plating (P) 9- 85 Chromium-and-Glass High - Temperature	Carr, George W.—Economical Finishing with Vacuum Metalizing		active Stearic Acid as Soil—Part IV 8-77  Tajima, Sakae—Anodizing Aluminum with
Coatings for Molybdenum 10- 61	Chamberlain, Paul G Radiometric Study		Sulfamic Acid — Part I 10- 67 Anodizing Aluminum with Sulfamic
Studies10- 64	of Phosphating Problems  Doss, Jodie—Radiometric Evaluation of		Acid — Part II
Revised "Vacuum Processing Systems Catalog" (M)	the Effectiveness of the Chromic Acid Rinse Treatment for Phosphated Work	12- 54	the Bornhauser Chrome Solution 7- 58
Economical Finishing with Vacuum Metal-	Eaton, S. E Radioactivity Heli's Study	12- 63	Thews, Edmund R.—The Production of Cast Nickel Anodes
izing 11- 60	Eisler, Stanley L Determination of Sul-		Chromium Plating Baths Containing
VENTILATION & EXHAUST SYSTEMS	fate in Chromium Baths Using Radic- barium	1- 71	Fluorides and Fluosilicates 4-60 van Oosterhout, H. A.—The Analysis of
Cloth-Bag Dust Collector (R) 2-88 Fan for Removing Hazardous Fumes and	Radiometric Study of Phosphating Problems	6-113	Chromium Plating Baths Containing
Vapors (R) 5- 88 Polyethylene Exhaust Systems (R) 5- 89	Radiometric Evaluation of the Effec-		Fluorides and Fluosilicates
Industrial Roof Ventilator (P)	tiveness of the Chromic Acid Rinse Treatment for Phosphated Work		Finishing Plant
Fan Catalog (M)	Erich, Earl A Fabricated Plastics in the		Hamilton Mfg. Corp. 9- 6' Williams, J. A.—Insulation for Plating
quency Power (R) 9- 94 New "Low Type" Ventilator (R) 9-100	Plating Industry Fabian, R. W.—Radioactivity Helps Study		Racks 1- 6
Dust and Fume Control (M) 9-124	of Silver Brighteners Fukushima, Toshiro—Anodizing Aluminum	12- 63	Wilson, J. K.—Heavy Immersion Tin Plat- ing 2- 6
Dust Collector (P)	with Sulfamic Acid — Part I	10- 67	Wright, O Heavy Immersion Tin Plating 2- 6
The same of the sa			





# NEW AND RECONDITIONED EQUIPMENT

PRICED RIGHT FOR

#### RECTIFIERS

- 1-1250 Amp. 0-9 volt New G.E. with separate control.
- 6-500 amp. new 0-6 volt with separate controls
- 11-300 amp. controls.

  Many other makes and models from 25

amp, up.

#### **GENERATORS**

- 1—Chandeysson 2500 amp. 12 volt 400 RPM 50 HP synchronous motor generator set.
- 1-1500 amp. 6 volt General Electric.
- 1—2000 amp. 6 volt CHAS. BOGUE motor generator set outside excited with 20 HP d.c. motor.
- 1—5000/2500 Amp. 8/16 d.c. volts ganerator with a 50 HP motor 400 RPM 3/60/220/AC.
- 1—Bennett-O'Connell 2000 amp. 6 volt motor generator set with 20 HP 840 RPM motor.

Other makes and models from 100 amp.

#### BUFFING LATHES

2—25 HP motor in head heavy duty lathes.
 7—U. S. Model 95 variable speed 5 HP 3/60/220 AC Lathes.

New and used Polishing Machines from 1 to 15 HP.

#### **FILTERS**

- 2—Industrial Filters 10 x 22 complete with motors.
- 2-5" Alsop used filters.

New Stainless steel filters from 100 G.P.H. up.

Tumbling & Burnishing Barrels, All Kinds of Plating Tanks. Write, Wire or Phone for further information.

"IF IT'S METAL FINISHING EQUIPMENT AND SUPPLIES, WE HAVE IT"

## PESCO PLATING EQUIP. CORP.

Office & Factory 89 North 11th Street Brooklyn, New York EVergreen 4-7472-3-4 New York Salesroom 182 Grand Street New York 13, N. Y. CAnal 6-3011-2

## FOR SALE

Slightly Used BUFFS

Loose and Sewed

Any Quantity

MICHIGAN BUFF CO., INC. 3503 GAYLORD AVE. DETROIT (12) MICHIGAN

## Do You Need Plating Equipment Quickly?

COMPLETE STOCK OF NEW AND USED PLATING, POLISHING & TUMBLING EQUIPMENT ALWAYS ON HAND.

You can't be sure of a good buy until you get our quotation.

WIRE, WRITE OR PHONE:

## BAKER BROS., Inc.

564 E. FIRST STREET SO. BOSTON, MASS.

SO. 8-9290

## FOR SALE

Available for Immediate Delivery

REBUILT AND GUARANTEED EQUIPMENT FOR

- POLISHING
- . ELECTROPLATING
- IC.
- METAL FINISHING
- Motor Generator Sets, Rectifiers, Wood, Steel, Lead Lined and Rubber Lined Tanks, Steam Boilers, Rheostats, Polishing, Buffing and Grinding Machines and everything needed for a modern metal finishing department.

## H & S

EQUIPMENT & SALES CO.

278 So. 9th St. at B'way—Brooklyn 11, N. Y. EVergreen 7-2526

## FOR SALE

- PLATING MOTOR GENERATOR SETS (REBUILT) WITH COMPLETE PANEL EQUIPMENT — MOTORS — 3 PHASE, 60 CYCLE, 220/440 VOLT.
- 1—HANSON VAN WINKLE MUNNING 5000/2500 amperes, 6/12 volt, interpole, separately excited, 450 RPM, synchronous motor. Ser. #7886.
- 1—EAGER ELECTRIC 5000/2500 amperes, 6/12 volts, 514 RPM, separately excited. Ser. #1844.
- 1—HANSON VAN WINKLE MUNNING 2000 ampere, 18 volts, 850 RPM. Separately excited Synchronous, Ser. #7719.
- 1—CHANDEYSSON ELECTRIC 1500/750 ampere, 9/18 volt, interpole design, 900 RPM, synchronous motor with exciter in head. Ser. #31203.
- 1—COLUMBIA ELECTRIC 1500/750 ampere, 6/12 volt, interpole design, 1200 RPM, exciter in head. Ser. #4545247.
- 2—BOGUE ELECTRIC 1000/500 ampere, 6/12 volt, interpole design, 1165 RPM, exciter in head. Ser. #'s 2014 & 2015.
- 1—ELECTRIC PRODUCTS 500 ampere, 9 volts, 900 RPM, separately excited.
  - FOLLOWING SETS SYNCHRONOUS— 3 phase, 25 cycle, 220/440 volts — COMPLETE.
- 1—ELECTRIC PRODUCTS 1500/750 ampere, 6/12 volts, 375 RPM, Exciter in head, 25 Deg. C. Ser. #291195.
- 1—CHANDEYSSON ELECTRIC 3000/1500 ampere, 6/12 volts, 375 RPM Exciter in head. 40 Deg. C, Ser. #26174.

POLISHING LATHES — NEW AND USED — CONSTANT AND VARIABLE SPEED, SINGLE AND DOUBLE MOTOR DRIVES — 3 PHASE, 60 CYCLE, 220/440 volts, 1 to 20 H.P. — IN STOCK.

REBUILT RECTIFIERS — GREEN — UDYLITE — GENERAL ELECTRIC — SELENIUM — 50 to 6000 ampere sizes, 6/12 volt, with regulators, 3 phase, 60 cycle, 220/440 volt.

1—BELKE 14" x 30" motor drive double cylinder mechanical plating barrel for cyanide solutions.

MERCIL — CROWN — BAIRD — LA-SALCO — size #1 and #2 — ball burnish-

BAIRD - GLOBE - oblique tumblers.

NEW SELENIUM RECTIFIERS, complete with instruments, starter and built-in voltage regulators—

- 6-1500 ampere, 0-12 volts.
- 5-1500 ampere, 5-12 volts.
- 4-2000 ampere, 0-6 volts.

ALSO AVAILABLE — OTHER NEW AND USED POLISHING LATHE, BARRELS, RHEOSTATS, RECTIFIERS, FILTERS, BLOWERS AND GENERATOR SETS. WE CARRY A COMPLETE LINE OF NEW AND USED PLATING AND POLISHING EQUIPMENT AND SUPPLIES.

## CLINTON SUPPLY COMPANY

112 South Clinton Street

Chicago 6. Illinois

6 times -

Yearly (12 times)

7.50

7.00

PRICED TO SELL!

#### RELIABLY REBUILT MOTOR GENERATORS 1 YEAR GUARANTEE

6/12 VOLTS 1-10000 A HVW 21/2/10 V. 1-10000 A J-L 21/2/10 V. 7500 A North. 21/2/10 V. 5000 A HVW 6/12 V.

1- 2500 A Chandey. 6/12 V. 1- 1500 A HVW 6/12 V. 800 A HVW 6/12 V. 600 A Eager 6/12 V.

500 A Chandey. 12 V. 300 A Hobart 6 V. 200 A Boissier 6 V. 200 A U. S. 12 V. 150 A HVW 6 V.

125 A Hobart 6 V. 120 A Eager 7½/15 V. 100 A HVW 6 V.

15 TO 28 VOLTS

1-1000 A G.E. 15 V.
4-25 A Diehl 25 V.
2-100 A G.E. 28 V.
1-200 A West. 28 V.
1-500 A G.E. 28 V.
1-800 A G.E. 28 V.
1-1500 A Cent. 28 V.
1-2500 A Cent. 28 V.

30 TO 60 VOLTS

30 TO 60 V
1— 100 A G.E. 32 V.
1— 200 A West. 32 V.
1— 1000 A Cent. 32 V.
1— 1000 A Cent. 32 V.
1— 1250 A Cent. 45 V.
1— 75 A G.E. 50 V.
1— 325 A West. 50 V.
1— 1500 A G.E. 50 V.
1— 1000 A G.E. 60 V.
1— 1000 A G.E. 75 V.

L. J. LAND, Inc.

146-148 GRAND STREET, NEW YORK 13, N. Y. ESTABLISHED 1910 \_

CAnal 6-6976

## PLATERS AND ANODIZERS

M-G SETS - Motor 3-60-220/440

Amp.	Volt	Make
300/150	6/12	Chandeysson
400	60/60	G. E.
600	60	G. E.
635	55	Elec. Prod.
640	39	West.
940	32	Elec. Prod.
1500/750	6/12	Columbia
1500	65	G. E.
150)	70	Century
1500	15	Star
2000/1000	6/12	H-V-W
5000/2500	6/12	Munning

#### DIOSUPPE & EVUALISTERS with MOTORS

l	BLOWERS &	EXHAUSTERS	WITH MOTOR
l	CFM	Pres.	Make
ŀ	100	7" S.P.	Spencer
l	400	4.3 ox.	Spencer
Į	800	8 oz.	No. Amer.
l	1100	4 1/2" S.P.	Bayley
ı	2000	l oz.	Spencer
ı	2000	21/2 oz.	Spencer
۱	2344	2" S.P.	Clarage
I	2500	7 oz.	Sturtevant
ı	2500	1/2" S.P.	American
I	2800	l oz.	Spencer
l	3670	1/2" S.P.	Sirocco
ı	9100	7" S P.	Sturtevant

## MOTOR REPAIR & MANUFACTURING CO.

1555 HAMILTON AVE., CLEVELAND, OHIO

## FOR SALE

## **Anodizing Motor Generator Set**

I-HANSON - VAN WINKLE - MUNNING CO. motor generator set, rated 500 amperes, 40 volts, with direct connected exciter and control panel. This complete M/G set used 3 months and is like new.

CALIFORNIA INDUSTRIAL PLATING CO. San Francisco, Calif. 10 Bluxome Street,

#### SO THAT YOUR NEW YEAR MAY BE HAPPY AND PROSPEROUS WE OFFER THESE **EXCEPTIONAL VALUES:**

-Udylite Mallory Rectifier 1440/720 Amperes at 6/12 D.C. volts.

D/12 D.C. volts. Chromic Anadizing M.G. Set 750 Amperes at 40 D.C. Volts.

-Chromic Anodizing M.G. Set 750 Amperes at 40 D.C. Volts.
-Chandeysson Motor Generator Set 1000/500 Amperes at 6/12 D.C. volts.
-F. B. Stevens Semi Automatic Nickel Plating Unit 20 feet long.
-H.V.W. Semi Automatic Cyanide Plating Unit 20 feet long.
-Backstand Idlers. Devine, Porter Cable, Mandershied, wall and floor types.
-Backstand Idlers. Devine, Buffing Machines-sailed, wall and floor types.
-Packermatic Fully Automatic Buffing Machines-each complete with four five horsepower Universal Type Heads, compound applicators, indexing table the five Spindies.
-Porter Spindies.
-Porter West Special Brazing Timers and Fixture.
-Porter Auth special Brazing Timers and Fixture.
-Porter Auth Special Brazing Timers and Fixture.
-Porter Method Special Brazing Timers and Fixture.
-Porter Auth Special Brazing Timers and Fixture.
-Porter Method Special Brazing Timers and Fixture.
-Porter Authority Special Brazing Timers and Fixture.
-Porter Buffing Authority Special Brazing Timers and Fixture.
-Porter Buffing Authority Special Brazing Timers and Fixture.
-Porter Buffing Authority Special Brazing Timers and Polishing Machines.

-Hammond Double 7/2 H.P. and 7½ H.P. -Devine Polishing Machines 5 H.P. and 7½ H.P. v.belt motor driven. -RDR-1 Industrial Rubber Lined Filter for acid

V-bett motor or term.

J-BDR-1 Industrial Rubber Lined Filter for acid solutions.

Henderson Tilting Type Tumbler #5 with gearhead motor drive.

Henderson Horizontal Two Compartment Motor Driven Wood Lined Tumbler.

H-N-W- 2500/1250 Amp. 6/12 Volt motor generator set interpole machine — very reasonable.

Plating Tanks — all sizes and linings.

Rectifiers — 25 amperes to 10,000 amperes.

Airbuffs - Compounds - Anodes - Chemicals, Etc.

For Quality, Dependability & Service Call On:

BRUCAR EQUIPMENT & SUPPLY CO.

Box 433

Hempstead, L. 1., N. Y.

Telephone: HYacinth 8-6122

## FOR SALE ZINC BALL ANODES

99.99+% Pure

Manufactured by Federated Metals in original containers

18¢ per pound

subject to prior sale

SABIN METAL CORP. 366 BROADWAY YORK 13, N. Y.

## IMMEDIATE SHIPMENT, ATTRACTIVE VALUES

THE FOLLOWING EXCELLENT REBUILT AND GUARANTEED ELECTROPLATING MOTOR GENERATOR SETS AND RECTIFIERS, WITH FULL CONTROL EQUIPMENT:

#### - PLATERS-

- 1-7500/3750 Amp., 6/12 V., Munning "Optimus"
- 1-6003/3000 Amp., 6/12 V., Chandeysson.
- -6000/3000 Amp., 6/12 V., Bogue.
- 2-5000/2500 Amp., 9/18 V., Electric Products, 25°C.
- 1-5000/2500 Amp., 9/18 V., Chandey sson, 25°C.
- -5000/2500 Amp., 6/12 V., Eager. -3000/1500 Amp., 6/12 V., H-VW-M Co. -2000/1000 Amp., 6/12 V., Munning
- 'Optimus'
- -1500/750 Amp., 6/12 V., H-VW-M Co. 1-1500/750 Amp., 6/12 V., Chandey-
- 1-1000/500 Amp., 6/12 V., Electric Products.

#### - ANODIZERS-

- 4000 Amp., 40 V., Chandeysson, Exc.

- 2—1000 Amp., 30 V., Ideal, Exc.-in-head. 1—1000 Amp., 40 V., Chandeysson, 25°C. 1—500 Amp., 40 V., M.G.C., Exc.-in-head. 1—400 Amp., 40 V., M.G.C., Exc.-in-head.
- 1-500 Amp., 25 V., Chandeysson, 25°C.

#### -RECTIFIERS -

- 1-10,000 Amp., 12 V., Brand New G. E. Copper Oxide Rectifier, with Induction Voltage Control, for 220/3/60. Can also be rated: 20,000 amperes, 6 volts; 5000 amperes, 24 volts; 4000 amperes, 30 volts; 2000 amperes, 60 volts.
- 1-2000 Amp., 6 V., G. E. Copper Oxide Rectifier.
- Green Selectoplater, 1800 Amp., 12 V. 2-Udylite-Mallory, 1440/720 Amp., 6/12

#### -BUFFING LATHES-

3 HP, 5 HP, 71/2 HP and 10 HP, Divine, Hammond, M.G.C., Gardner, Twin 5 HP and Twin 71/2 HP Rome, and other popular makes.

#### -SPECIAL-

- 1-Crown 18 x 18 Centrifugal Dryer. Steam Heat.
- ALMCO two compartment Horizontal Tumbler, each compt. 30" x 30", almost new — with motorized shaker.
- 5-24" and 30" Robbins & Myers 2-Speed Ventilating Fans.
- Divine & Porter Cable Back Stand Idlers.
- 1-No. 1 Ronci Lacquering Machine.
- Above is partial list only. Write to us for all your requirements for Plating, Anodizing and Metal Finishing.

WRITE, WIRE, PHONE

## M. E. BAKER COMPANY

25 WHEELER STREET, CAMBRIDGE 38, MASS.

Phone: Kirkland 7-5460

ADVERTISING RATES
Per column inch per insertion
1 time - \$8.50
3 times - 8.00
6 times - 7.50

Yearly (12 times)

VT,

OTOR

nning

ectric

I Co.

ning

dey

Prod-

Exc.

5°C.

ead

5°C.

ction Can olts;

eres.

xide

2 V. 6/12

vine,

ther

yer, ontal

al-

peed

and

for

odiz-

۱Y

ASS.

95 :

## READY-REFERENCE SECTION

- CLASSIFIED ADVERTISING -

ELECTROPLATING
POLISHING
RUST PROOFING
CLEANING
ANODIC TREATMENT
PTC



7.00

POLISHING MACHINE WANTED

Would like to purchase 1 or 2 Hammond O.D. 9 Tubular polishing machines, with or without backstand idlers. Address: December 1, care Metal Finishing, 381 Broadway, Westwood, N. J.

1953 GUIDEBOOK \$3.00 PER COPY Payable in Advance FINISHING PUBLICATIONS, INC.

381 Broadway,

Westwood, N. J.

### SITUATIONS OPEN

# REAL SALES

SiTUATION OPEN—Here's a real opportunity for an aggressive man to earn more money. Well established chemical manufacturer has opening for outstanding sales representatives in the east and midwest. Complete line of alkaline and solvent emulsion type metal cleaners. Knowledge of metal finishing plating, etc. essential. Prefer man with selling experience, Car furnished. State age, previous experience, other qualifications. All replies will be held strictly confidential. Write Cowles Chemical Co., Metal Cleaner Dept., 7016 Euclid Avenue, Cleveland 3, Ohio.

#### MANAGER

SITUATION OPEN—Manager wanted for plating works. Situation open for the right man. He must have several years of all around job plating experience and be capable of analyzing and maintaining practically any plating bath. Must know ball burnishing methods and fast and economical plating of such items as can openers and various furniture and cabinet hardware items, etc. If you feel you can fill these requirements, let us hear from you. Contact Mr. John M. Carew, G. G. Greene Manufacturing Corp., Warren, Pa.

#### EXPERIENCED PLATER

SITUATION OPEN—Still plating only. Brass, nickel, chrome. Good working conditions in small, modern hardware plant. Steady.

S. PARKER HARDWARE MFG. CORP. 27 Ludlow St. N. Y. C. WAlker 5-6300

#### PLATING FOREMAN

SITUATION OPEN — Man familiar with brass and silver plating wanted to take charge of new modern plating room — excellent opportunity for right man looking for permanent position. Located in Bridgeport, Norwalk area. Address: P. O. Box 590, Norwalk, Conn.

40th ANNUAL CONVENTION OF THE A. E. S.
JUNE 15-18

PHILADELPHIA BRANCH — HOST

PHILADELPHIA, PA.

## CONTRACT FINISHING PLANTS

Over 20 years of specialized experience

## bulk chromium plating

Assistance on plating problems

screws, rivets, bolts, washers, eyelets, fasteners, small stampings, shells, turnings, wire items, etc.

## ZINC, cadmium, copper and nickel plating (rack and bulk)

Specialists on inside anode plating of primer tubes, bomb fuse parts, components with deep recesses and intricate design. During World War II, we produced for many manufacturers within a 500-mile radius, tons of plated parts on daily schedules. Ample facilities, special automatic equipment and an organization of 285 trained personnel.

## specification plating

Technicians check thickness and corrosion resistance tests by magna-gage, microscopic examination and salt spray. Samples plated free.

THE CHROMIUM PROCESS COMPANY, 251 Canal Street, Shelton, Conn.



Truly-Three Great Finishes!!

## CHROMIUM - UDYLITE SHERARDIZING

For over a quarter of a century building and installing portable sherardizing furnaces and equipment; metal finishing and plating.

We invite your inquiry.

THE NATIONAL SHERARDIZING & MACHINE CO.

OFFICE & FACTORY: HARTFORD, CONN.

Foreign Representatives—

Oliver Bros., Inc., 417 Canal St., N. Y. City

FINISHING CHEMICALS \$3.00 PER COPY

BOOK ORDERS PAYABLE
IN ADVANCE

FINISHING PUBLICATIONS, INC.

381 BROADWAY WESTWOOD, N. J.

METAL FINISHING, December, 1952

125

# SUPPLIERS OF EQUIPMENT AND MATERIALS AND ADVERTISERS INDEX

Acme Manufacturing Co.	36
1400 E. 9 Mile Rd., Detroit 20 (Ferndale), A	Aich.
Allied Research Products, Inc. 4004 E. Monument St., Baltimore 5, Md.	76
Almco Div., Queen Stove Works, Inc.	114
Albert Lea, Minn. Alsop Engineering Corp.	10
404 Bright St., Milldale, Conn. Alvey Ferguson Co.	96
200 Disney St. Cincinnati 9, Ohio American Agile Corp.	40
P. O. Box 168, Bedford, Ohio	
American Buff Co. 7, 2414 S. LaSalle St., Chicago 16, III. American Lucoflex, Inc. 1 East 57th St., New York 22, N. Y. American Instrument Co., Inc.	102
I East 57th St., New York 22, N. Y.	
Silver Spring, Md. American Platinum Works	
American Platinum Works 231 New Jersey R. R. Ave., Newark 5, N. J. Apothecaries Hall Co.	
Waterbury 88. Conn.	
Bacon Felt Co. Taunton, Mass.	32
Stratford Conn	
Baker & Co., Inc. 113 Astor St., Newark S, N. J. Baker, M. E. Co., The 25 Wheeler St., Cambridge, Mass.	34
Baker, M. E. Co., The	124
25 Wheeler St., Cambridge, Mass. Baker Bros., Inc. 546 E. First St., So. Boston, Mass. Bart-Messing Corp. Inside Back ( 229 Main St., Belleville 9, N. J. Beam Knodel Co. 195 Lafayette St., New York 12, N. Y. Belke Manufacturina Co. 33.	123
Bart-Messing Corp. Inside Back (	Cover
Beam Knodel Co.	109
195 Lafayette St., New York 12, N. Y. Belke Manufacturing Co. 33, 947 N. Cicero Ave., Chicago 51, Ill. Belmont Smelting & Refining Works, Inc. 304 Belmont Aye., Brooklyn 7, N. Y.	102
947 N. Cicero Ave., Chicago 51, III. Belmont Smelting & Refining Works, Inc.	
304 Belmont Aye., Brooklyn 7, N. Y. Biakeslee & Co., G. S.	87
304 Belmont Aye., Brooklyn 7, N. Y. Blakeslee & Co., G. S. Chicago 50, Ill. Block & Co., Wesley 39-15 Main St., Flushing, N. Y. Brucar Equipment & Supply Co. Box 433, Hempstead, L. I., N. Y. Buckeye Products Co., The 7033 Vine St., Cincinnati 16, Ohio Burns Mfg. Corp., E. Reed 40 Withers St., Brooklyn 11, N. Y. Colifornia Smelting & Refining Co.	94
39-15 Main St., Flushing, N. Y.	124
Box 433, Hempstead, L. I., N. Y.	124
7033 Vine St., Cincinnati 16, Ohio	
8 Burns Mfg. Corp., E. Reed 40 Withers St., Brooklyn 11, N. Y.	
California Smelting & Refining Co. 1549 N. Fishburn St., Los Angeles 63, Calif.	
Carborundum Company, The Niagara Falls, N. Y.	22
Ceilcote Co., The	112
Chandeysson Electric Co. 8, 5	, 83
4084 Bingham Ave., St. Louis, Mo.	
Chemical Corp., The 100,	112
Chemical Corp., The 100, 54 Waltham Ave., Springfield, Mass. Chromium Process Co., The	112 125
Cleveland 9, Ohio Chandeysson Electric Co. 8, 5 4084 Bingham Ave., St. Louis, Mo. Chemical Corp., The 100, 54 Waltham Ave., Springfield, Mass. Chromium Process Co., The Shellon, Conn. Church'il Co., Inc., George R.	112 125
Church'll Co., Inc., George R. North Quincy 71, Mass.	
Church'il Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Claveland Process Co.	95
Church'll Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio	95 44
Church'il Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, Ill.	95 44 123
Church'il Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, Ill. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio	95 44 123 104
Church'll Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, Ill. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio	95 44 123
Church'll Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, Ill. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Albambra Ave. Los Angeles 32 Calif	95 44 123 104 13
Church'll Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, Ill. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Albambra Ave. Los Angeles 32 Calif	95 44 123 104
Church'il Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, Ill. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Alhambra Ave., Los Angeles 32, Calif. Crown Rheostat & Supply Co. 3465 N. Kimball Ave., Chicago 18, Ill. Desicle Pleting Revol & Supply Co.	95 44 123 104 13
Church'il Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, Ill. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Alhambra Ave., Los Angeles 32, Calif. Crown Rheostat & Supply Co. 3465 N. Kimball Ave., Chicago 18, Ill. Daniels Plating Barrel & Supply Co. 129 Oliver St., Newark S, N. J. Davies Supply & Mfg. Co.	95 44 123 104 13
Church'il Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, Ill. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Alhambra Ave., Los Angeles 32, Calif. Crown Rheostat & Supply Co. 3465 N. Kimball Ave., Chicago 18, Ill. Daniels Plating Barrel & Supply Co. 129 Oliver St., Newark S, N. J. Davies Supply & Mfg. Co.	95 44 123 104 13
Church'il Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, Ill. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Alhambra Ave., Los Angeles 32, Calif. Crown Rheostat & Supply Co. 3465 N. Kimball Ave., Chicago 18, Ill. Daniels Picting Barrel & Supply Co. 129 Oliver St., Newark S, N. J. Davies Supply & Mfg. Co. 2315 Delmar Blvd., St. Louis 3, Mo. Davis-K Products Co. 54 West 22nd St., New York 10, N. Y. Dayton Bright Copper Co.	95 44 123 104 13 27 47
Church'il Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, Ill. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Alhambra Ave., Los Angeles 32, Calif. Crown Rheostat & Supply Co. 3465 N. Kimball Ave., Chicago 18, Ill. Daniels Picting Barrel & Supply Co. 129 Oliver St., Newark 5, N. J. Davies Supply & Mfg. Co. 2315 Delmar Blvd., 5t. Louis 3, Mo. Davis-K Products Co. 54 West 22nd St., New York 10, N. Y. Dayton Bright Copper Co. 1030 Valley St., Dayton 4, Ohio Detrex Corp.	95 44 123 104 13 27 47
Church'il Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, Ill. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Alhambra Ave., Los Angeles 32, Calif. Crown Rheostat & Supply Co. 3465 N. Kimball Ave., Chicago 18, Ill. Daniels Plating Barrel & Supply Co. 129 Oliver St., Newark 5, N. J. Davies Supply & Mfg. Co. 2315 Delmar Blvd., St. Louis 3, Mo. Davis-K Products Co. 54 West 22nd St., New York 10, N. Y. Dayton Bright Copper Co. 1030 Valley St., Dayton 4, Ohio Detrex Corp. Box 501. Detroit 32. Mich.	95 44 123 104 13 27 47 107 105
Church'il Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, Ill. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Alhambra Ave., Los Angeles 32, Calif. Crown Rheostat & Supply Co. 3465 N. Kimball Ave., Chicago 18, Ill. Daniels Picting Barrel & Supply Co. 129 Oliver St., Newark 5, N. J. Davies Supply & Mfg. Co. 2315 Delmar Blvd., St. Louis 3, Mo. Davis-K Products Co. 54 West 22nd St., New York 10, N. Y. Dayton Bright Copper Co. 1030 Valley St., Dayton 4, Ohio Detrex Corp. Box 501, Detroit 32, Mich. Dicmond Alkali Company Cleveland 14, Ohio	95 44 123 104 13 27 47 107 105
Church'il Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, Ill. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Alhambra Ave., Los Angeles 32, Calif. Crown Rheostat & Supply Co. 3465 N. Kimball Ave., Chicago 18, Ill. Daniels Pictring Barrel & Supply Co. 129 Oliver St., Newark S, N. J. Davies Supply & Mfg. Co. 2315 Delmar Blyd., St. Louis 3, Mo. Davis-K Products Co. 54 West 22nd St., New York 10, N. Y. Dayton Bright Copper Co. 1030 Valley St., Dayton 4, Ohio Detrex Corp. Box 501, Detroit 32, Mich. Diamond Alkali Company Cleveland 14, Ohio Diesel Chemical Company 243 - 4th Ave. Brooklyn N. Y.	95 44 123 104 13 27 47 107 105
Church'il Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, Ill. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Alhambra Ave., Los Angeles 32, Calif. Crown Rheostat & Supply Co. 3465 N. Kimball Ave., Chicago 18, Ill. Daniels Pletting Barrel & Supply Co. 129 Oliver St., Newark 5, N. J. Davies Supply & Mfg. Co. 2315 Delmar Blvd., St. Louis 3, Mo. Davis-K Products Co. 54 West 22nd St., New York 10, N. Y. Dayton Bright Copper Co. 1030 Valley St., Dayton 4, Ohio Detrex Corp. Box 501, Detroit 32, Mich. Diamond Alkali Company Cleveland 14, Ohio Diesel Chemical Company 243 - 4th Ave., Brooklyn, N. Y. Dilo Manufacturing Co. 480 Lex ngton Ave., New York 17, N. Y.	95 44 123 104 13 27 47 107 105
Church'il Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, Ill. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Alhambra Ave., Los Angeles 32, Calif. Crown Rheostat & Supply Co. 3465 N. Kimball Ave., Chicago 18, Ill. Daniels Picting Barrel & Supply Co. 129 Oliver St., Newark 5, N. J. Davies Supply & Mfg. Co. 2315 Delmar Blvd., St. Louis 3, Mo. Davis-K Products Co. 54 West 22nd St., New York 10, N. Y. Dayton Bright Copper Co. 1030 Valley St., Dayton 4, Ohio Detrex Corp. Box 501, Detroit 32, Mich. Dicmond Alkali Company Cleveland 14, Ohio Diesel Chemical Company Cleveland 14, Ohio Diesel Chemical Company 243 - 4th Ave., Brooklyn, N. Y. Distillation Products Industries	95 44 123 104 13 27 47 107 105
Church'il Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, Ill. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Alhambra Ave., Los Angeles 32, Calif. Crown Rheastat & Supply Co. 3465 N. Kimball Ave., Chicago 18, Ill. Daniels Plcting Barrel & Supply Co. 129 Oliver St., Newark S, N. J. Davies Supply & Mfg. Co. 2315 Delmar Blvd., St. Louis 3, Mo. Davis-K Products Co. 54 West 22nd St., New York 10, N. Y. Dayton Bright Copper Co. 1030 Valley St., Dayton 4, Ohio Detrex Corp. Box 501, Detroit 32, Mich. Dicamond Alkali Company Cleveland 14, Ohio Diesel Chemical Company 243 - 4th Ave., Brooklyn, N. Y. Dito Manufacturing Co. 480 Lex ngton Ave., New York 17, N. Y. Distillation Products Industries Rochester 2, N. Y. Diversey Corp., The 1820 Roscoe St. Chicago 13, Ill.	95 44 123 104 13 27 47 107 105 41 112 116 30
Church'il Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, Ill. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Alhambra Ave., Los Angeles 32, Calif. Crown Rheostat & Supply Co. 3465 N. Kimball Ave., Chicago 18, Ill. Daniels Picting Barrel & Supply Co. 129 Oliver St., Newark S, N. J. Davies Supply & Mfg. Co. 2315 Delmar Blvd., St. Louis 3, Mo. Davis-K Products Co. 54 West 22nd St., New York 10, N. Y. Dayton Bright Copper Co. 1030 Volley St., Dayton 4, Ohio Detrex Corp. Box 501, Detroit 32, Mich. Diamond Alkali Company Cleveland 14, Ohio Diesel Chemical Company 243 - 4th Ave., Brooklyn, N. Y. Dito Manufacturing Co. 480 Lex ngton Ave., New York 17, N. Y. Distillation Products Industries Rochester 2, N. Y. Diversey Corp., The 1820 Roscoe St., Chicago 13, Ill. Dxon & Rippel, Inc. Kinaston, N. Y.	95 44 123 104 13 27 47 107 105 41 112 116 30
Church'il Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, Ill. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Alhambra Ave., Los Angeles 32, Calif. Crown Rheostat & Supply Co. 3465 N. Kimball Ave., Chicago 18, Ill. Daniels Pictring Barrel & Supply Co. 129 Oliver St., Newark S, N. J. Davies Supply & Mfg. Co. 2315 Delmar Blvd., St. Louis 3, Mo. Davis-K Products Co. 54 West 22nd St., New York 10, N. Y. Dayton Bright Copper Co. 1030 Valley St., Dayton 4, Ohio Detrex Corp. Box 501, Detroit 32, Mich. Diamond Alkali Company Cleveland 14, Ohio Diesel Chemical Company 243 - 4th Ave., Brooklyn, N. Y. Dillo Manufacturing Co. 480 Lex ngton Ave., New York 17, N. Y. Distillation Products Industries Rochester 2, N. Y. Diversey Corp., The 1820 Roscoe St. Chicago 13, Ill. Dixon & Rippel, Inc. Kinaston, N. Y. Dow Chemical Company, The Midland, Michigan	95 44 123 104 13 27 47 107 105 41 112 116 30
Church II Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, III. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Alhambra Ave., Los Angeles 32, Calif. Crown Rhenostat & Supply Co. 3465 N. Kimball Ave., Chicago 18, III. Daniels Picting Barrel & Supply Co. 129 Oliver St., Newark S, N. J. Davies Supply & Mfg. Co. 2315 Delmar Blvd, St. Louis 3, Mo. Davis-K Products Co. 54 West 22nd St., New York 10, N. Y. Dayton Bright Copper Co. 1030 Valley St., Dayton 4, Ohio Detrex Corp. Box 501, Detroit 32, Mich. Diamond Alkali Company Cleveland 14, Ohio Diesel Chemical Company 243 - 4th Ave., Brooklyn, N. Y. DiLo Manufacturing Co. 480 Lex ngton Ave., New York 17, N. Y. Distillation Products Industries Rochester 2, N. Y. Diversey Corp., The 1820 Roscoe St. Chicago 13, III. Dxon & Rippel, Inc. Kinaston, N. Y. Dow Chemical Company, The Midland, Michigan Du Pont de Nemours & Co. Inc., E. I. Wilmington 28 Del	95 44 123 104 13 27 47 107 105 41 112 116 30
Church II Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, III. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Alhambra Ave., Los Angeles 32, Calif. Crown Rhenostat & Supply Co. 3465 N. Kimball Ave., Chicago 18, III. Daniels Picting Barrel & Supply Co. 129 Oliver St., Newark S, N. J. Davies Supply & Mfg. Co. 2315 Delmar Blvd, St. Louis 3, Mo. Davis-K Products Co. 54 West 22nd St., New York 10, N. Y. Dayton Bright Copper Co. 1030 Valley St., Dayton 4, Ohio Detrex Corp. Box 501, Detroit 32, Mich. Diamond Alkali Company Cleveland 14, Ohio Diesel Chemical Company 243 - 4th Ave., Brooklyn, N. Y. DiLo Manufacturing Co. 480 Lex ngton Ave., New York 17, N. Y. Distillation Products Industries Rochester 2, N. Y. Diversey Corp., The 1820 Roscoe St. Chicago 13, III. Dxon & Rippel, Inc. Kinaston, N. Y. Dow Chemical Company, The Midland, Michigan Du Pont de Nemours & Co. Inc., E. I. Wilmington 28 Del	95 44 123 104 13 27 47 107 105 41 112 116 30
Church'il Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, Ill. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Alhambra Ave., Los Angeles 32, Calif. Crown Rheostat & Supply Co. 3465 N. Kimball Ave., Chicago 18, Ill. Daniels Plating Barrel & Supply Co. 129 Oliver St., Newark S., N. J. Davies Supply & Mfg. Co. 2315 Delmar Blvd., St. Louis 3, Mo. Davis-K Products Co. 54 West 22nd St., New York 10, N. Y. Dayton Bright Copper Co. 1030 Valley St., Dayton 4, Ohio Detrex Corp. Box 501, Detroit 32, Mich. Diamond Alkali Company Cleveland 14, Ohio Diesel Chemical Company 243 - 4th Ave., Brooklyn, N. Y. Distillation Products Industries Rochester 2, N. Y. Diversey Corp., The 1820 Roscoe St., Chicago 13, Ill. Dixon & Rippel, Inc. Kinaston, N. Y. Dow Chemical Company, The Midland, Michigan Du Pont de Nemours & Co. Inc., E. I. Wilmington 98, Del Edmont Manufacturing Co. 1276 Walnut St., Coshocton, Ohio Electric Equipment Co.	95 44 123 104 13 27 47 107 105 41 112 116 30
Church II Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, III. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Alhambra Ave., Los Angeles 32, Calif. Crown Rheostat & Supply Co. 3465 N. Kimball Ave., Chicago 18, III. Daniels Pleting Barrel & Supply Co. 129 Oliver St., Newark 5, N. J. Davies Supply & Mfg. Co. 2315 Delmar Blvd., St. Louis 3, Mo. Davis-K Products Co. 54 West 22nd St., New York 10, N. Y. Dayton Bright Copper Co. 1030 Valley St., Dayton 4, Ohio Detrex Corp. Box 501, Detroit 32, Mich. Dicmond Alkali Company Cleveland 14, Ohio Diesel Chemical Company 243 - 4th Ave., Brooklyn, N. Y. Dito Manufacturing Co. 480 Lex ngton Ave., New York 17, N. Y. Distillation Products Industries Rochester 2, N. Y. Diversey Corp., The 1820 Roscoe St., Chicago 13, III. Dxon & Rippel, Inc. Kinaston, N. Y. Dw Chemical Compony, The Midland, Michigan Du Pent de Nemours & Co. Inc., E. I. Wilmington 98, Del. Edmont Manufacturing Co. 1276 Walnut St., Roschester, N. Y. Electric Forducts Co.	95 44 123 104 13 27 47 107 105 41 112 116 30
Church II Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, III. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Alhambra Ave., Los Angeles 32, Calif. Crown Rheostat & Supply Co. 3465 N. Kimball Ave., Chicago 18, III. Daniels Picting Barrel & Supply Co. 129 Oliver St., Newark 5, N. J. Davies Supply & Mfg. Co. 2315 Delmar Blvd., St. Louis 3, Mo. Davis-K Products Co. 54 West 22nd St., New York 10, N. Y. Dayton Bright Copper Co. 1030 Valley St., Dayton 4, Ohio Detrex Corp. Box 501, Detroit 32, Mich. Dicamond Alkali Company Cleveland 14, Ohio Diesel Chemical Company Cleveland 15, New York 17, N. Y. Distillation Products Industries Rochester 2, N. Y. Diversey Corp., The 1820 Roscoe St., Chicago 13, III. Dixon & Rippel, Inc. Kinaston, N. Y. Dow Chemical Compony, The Midland, Michigan Du Pant de Nemours & Co. Inc., E. I. Wilmington 98, Del. Edmont Manufecturing Co. 1276 Walnut St., Coshocton, Ohio Electric Equipment Co. 63 Curlew St., Rochester, N. Y. Electric Products Co. 1725 Clarkstone Road, Cleveland 12, Ohio	95 44 123 104 13 27 47 107 105 41 112 116 30 115 29
Church II Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, III. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Alhambra Ave., Los Angeles 32, Calif. Crown Rheostat & Supply Co. 3465 N. Kimball Ave., Chicago 18, III. Daniels Pictring Barrel & Supply Co. 129 Oliver St., Newark S. N. J. Davies Supply & Mfg. Co. 2315 Delmar Blvd., St. Louis 3, Mo. Davis-K Products Co. 54 West 22nd St., New York 10, N. Y. Dayton Bright Copper Co. 1030 Valley St., Dayton 4, Ohio Detrex Corp. Box 501, Detroit 32, Mich. Diamond Alkali Company Cleveland 14, Ohio Diesel Chemical Company 243 - 4th Ave., Brooklyn, N. Y. DiLo Manufacturing Co. 480 Lex ngton Ave., New York 17, N. Y. Distillation Products Industries Rochester 2, N. Y. Diversey Corp., The 1820 Roscoe St. Chicago 13, III. Dixon & Rippel, Inc. Kinaston, N. Y. Dow Chemical Company, The Midland, Michigan Du Pont de Nemours & Co. Inc., E. I. Wilmington 98, Del. Edmont Manufacturing Co. 1276 Walnut St., Coshocton, Ohio Electric Equipment Co. 63 Curlew St., Rochester, N. Y. Electric Products Co. 1430 So. Talman Ave., Chicago 8, III.	95 44 123 104 13 27 47 107 105 41 112 116 30 115 29 106 125
Church II Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, III. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Alhambra Ave., Los Angeles 32, Calif. Crown Rheostat & Supply Co. 129 Oliver St., Newark S, N. J. Davies Supply & Mfg. Co. 2315 Delmar Blvd., St. Louis 3, Mo. Davis-K Products Co. 54 West 22nd St., New York 10, N. Y. Davion Bright Copper Co. 1030 Valley St., Dayton 4, Ohio Detrex Corp. Box 501, Detroit 32, Mich. Diamond Alkali Company Cleveland 14, Ohio Diesel Chemical Company 243 - 4th Ave., Brooklyn, N. Y. Dito Manufacturing Co. 480 Lex ngton Ave., New York 17, N. Y. Diversey Corp., The 1820 Roscoe St., Chicago 13, III. Dixon & Rippel, Inc. Kinaston, N. Y. Dow Chemical Compony, The Midland, Michigan Du Pont de Nemours & Co. Inc., E. I. Wilmington 98, Del. Edmont M-nufacturing Co. 1276 Walnut St., Coshocton, Ohio Electric Equipment Co. 63 Curlew St., Rochester, N. Y. Electric Products Co. 1430 So. Talman Ave., Chicago 8, III. Electrolizing Sales & Tools, Inc. 1406 E. 15th St., Los Angeles 21, Calif.	95 44 123 104 13 27 47 107 105 41 112 116 30 115 29 106 125
Church II Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, III. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Alhambra Ave., Los Angeles 32, Calif. Crown Rheostat & Supply Co. 3465 N. Kimball Ave., Chicago 18, III. Daniels Picting Barrel & Supply Co. 129 Oliver St., Newark 5, N. J. Davies Supply & Mfg. Co. 2315 Delmar Blvd., St. Louis 3, Mo. Davis-K Products Co. 54 West 22nd St., New York 10, N. Y. Dayton Bright Copper Co. 1030 Valley St., Dayton 4, Ohio Detrex Corp. Box 501, Detroit 32, Mich. Diamond Alkali Company Cleveland 14, Ohio Diesel Chemical Company 243 - 4th Ave., Brooklyn, N. Y. Distillation Products Industries Rochester 2, N. Y. Distillation Products Industries Rochester 2, N. Y. Diversey Corp., The 1820 Roscoe St., Chicago 13, III. Dixon & Rippel, Inc. Kinaston, N. Y. Dow Chemical Company, The Midland, Michigan Du Pent de Nemours & Co. Inc., E. I. Wilmington 98, Del. Edmont Manufacturing Co. 1276 Walnut St., Coshocton, Ohio Electric Equipment Co. 63 Curlew St., Rochester, N. Y. Electric Products Co. 1725 Clarkstone Road, Cleveland 12, Ohio Electro-Glo Co. 1730 So. Talman Ave., Chicago 8, III. Electrolizing Sales & Tools, Inc. 440 E. Isth St., Now Apples 21, Calif. Enthone, Inc.	95 44 123 104 13 27 47 107 105 41 112 116 30 115 29 106 125
Church II Co., Inc., George R. North Quincy 71, Mass. Clair Manufacturing Co. Olean, N. Y. Cleveland Process Co. 7016 Euclid Ave., Cleveland, Ohio Clinton Supply Co. 112 S. Clinton St., Chicago 6, III. Columbia Electric Mfg. Co. 4539 Hamilton Ave., Cleveland 14, Ohio Cowles Chemical Co. Cleveland 3, Ohio Crown Chemical & Engineering Co. 5649 Alhambra Ave., Los Angeles 32, Calif. Crown Rheostat & Supply Co. 129 Oliver St., Newark S, N. J. Davies Supply & Mfg. Co. 2315 Delmar Blvd., St. Louis 3, Mo. Davis-K Products Co. 54 West 22nd St., New York 10, N. Y. Davion Bright Copper Co. 1030 Valley St., Dayton 4, Ohio Detrex Corp. Box 501, Detroit 32, Mich. Diamond Alkali Company Cleveland 14, Ohio Diesel Chemical Company 243 - 4th Ave., Brooklyn, N. Y. Dito Manufacturing Co. 480 Lex ngton Ave., New York 17, N. Y. Diversey Corp., The 1820 Roscoe St., Chicago 13, III. Dixon & Rippel, Inc. Kinaston, N. Y. Dow Chemical Compony, The Midland, Michigan Du Pont de Nemours & Co. Inc., E. I. Wilmington 98, Del. Edmont M-nufacturing Co. 1276 Walnut St., Coshocton, Ohio Electric Equipment Co. 63 Curlew St., Rochester, N. Y. Electric Products Co. 1430 So. Talman Ave., Chicago 8, III. Electrolizing Sales & Tools, Inc. 1406 E. 15th St., Los Angeles 21, Calif.	95 44 123 104 13 27 47 107 105 41 112 116 30 115 29 106 125

ILITI AND MATERIALS	N
Federated Metals Div., American Smelting & Refining Co.	
120 Broadway, New York 5, N. Y. Formax Manufacturing Co. 3171 Bellevue, Detroit 7, Mich.	
Frank, Paul	116
118 East 28th St., New York 16, N. Y. General Electric Co. Schenectady 5, N. Y. Green Electric Co., W., Inc. 130 Cedar St., New York 6, N. Y. Guaranteed Buff Co., Inc. 20 Vandam St. New York 13, N. Y.	24
Green Electric Co., W., Inc. 130 Cedar St., New York 6, N. Y.	19
Guaranteed Buff Co., Inc. 20 Vandam St., New York 13, N. Y. Gumm Chemical Co., Inc., Frederick	114
Inside Front C	over
538-542 Forest St., Kearny, N. J. H & S Equipment & Sales Co. 278 So. 9th St. Brooklyn 11, N. Y. Hamilton Emery & Corundum Co.	123
Hamilton Emery & Corundum Co.	116
Chester, Mass.  Hammond Machinery Builders, Inc.  1601 Douglas Avenue, Kalamazoo, Mich.	6
82 Fulton St., New York 7, N. Y.	
87-77 Chevy Chase St., Jamaica, N. Y.	114
Hanson-Van Winkle-Munning Co. 11 Matawan, N. J. Hardwood Line Mfg. Co.	, 52
2022 N. California Ave., Chicago 47, III. Harrison & Company, Inc.	
Marcarbill Adam	18
Harshaw Chemical Co., The 1945 East 97th St., Cleveland 6 ,Ohio Hartford Steel Ball Co., The	84
	105
Hay Co., Jacob 4014 W. Parker Ave., Chicago 39, III. Heil Process Equipment Corp. 12901 Elmwood Ave., Cleveland 11, Ohio	
12901 Elmwood Ave., Cleveland 11, Ohio Henderson Bros. Co., The	86
Holland, J. & Sons, Inc.	85
Hollywood Bronze Supply	
Heil Process Equipment Corp. 12901 Elmwood Ave., Cleveland 11, Ohio Henderson Bros. Co., The 135 S. Leonard St., Waterbury, Conn. Holland, J. & Sons, Inc. 274 S. Ninth St., Brooklyn, N. Y. Hollywood Bronze Supply 1624 E. First St., Los Angeles 33, Calif. Houghton Laboratories, Inc. Olean, N. Y. Hung Corp., Globe Stemping Div	46
Hupp Corp., Globe Stamping Div. 1250 West 76th St., Cleveland 2, Ohio	
Hussey & Co., C. G. Pittsburgh 19, Pa. Imperial Plating Rack Co.	92
1613 Industrial Ave., Flint, Mich.	98
Industrial Filter & Pump Mtg. Co.	88
5906 Ogden Ave., Chicago 55, III. International Nickel Company, Inc. 43, 67 Wall St., New York 5, N. Y.	103
Kalamazoo Tank & Silo Co. 634 Harrison St., Kalamazoo, Mich.	
Kaynida Div. Kraft Chamical Co. Inc.	38
917 W. 18th St., Chicago 8, III.  Kirk & Blum Mfg. Co., The 3159 Forrer St., Cincinnati 9, Ohio	
23-15 Borden Ave., Long Island City, N. Y.	109
Kocour Company 4802 S. St. Louis Ave., Chicago 32, III.	115
Kushner, Joseph B. Stroudsburg, Pa.	116
Land, L. J., Inc. 146-148 Grand St., New York 13, N. Y.	124
2818-38 Lasalle St., St. Louis 4, Mo.	0.1
16 Charry Ava Waterhury 86 Comm	32
Lea Manufacturing Co. of Michigan, Inc. 12345 Schaefer Hwy., Detroit 27, Mich. L'Hommedieu, Chos. F. & Sons Co. 4521 Ogden Ave., Chicago, III.	5
Waterbury 88, Conn. Magnus Chemical Co.	82
11 South Ave., Garwood, N. J.  Manhattan Rubber Division	39
Raybestos-Manhattan, Inc., Passaic, N. J. Meaker Co., The 1635 S. 55th St., Chicago 50, III.	90
Merit Products, Inc. 4023 Irving Place, Culver City, Calif.	
Metal & Inermit	
100 E. 42nd St., New York 17, N. Y. Michigan Buff Co., Inc. 3503 Gaylord Ave., Detroit 12, Mich.	123
Michigan Chrome & Chemical Co. 6353 E. Jefferson Ave., Detroit 7, Mich. Miller Co. L. C.	26
Miller Co., J. C. 631 Chestnut St., S.W., Grand Rapids, Mich.	40
St. Paul 6, Minn.	78
Mitchell Bradford Chemical Co. 2446C Main St., Stratford, Conn.	
1555 Hamilton Ave., Cleveland 14, Ohio	124
2.0 moorgon mer, 14cm lork 10, 14. 1.	101
19255 W. Davison, Detroit 23, Mich.	103
National Rack Co. 179 Madison St., Paterson, N. J.	98
National Sherardizing & Machine Co., Inc Hartford, Conn. New Halland Machine Co.	145
New Holland Machine Co. New Holland, Pa. New Jersey Metals Co.	79
New Jersey Metals Co. 712 Rockefeller St., Elizabeth 2, N. J. Niagara Alkali Co.	23
Niagara Alkali Co. 60 East 42nd St., New York 17, N. Y. Nobles Engineering & Mfg. Co.	42
645 East Seventh St., St. Paul 6, Minn.	

Nopco Chemical Co. 1st & Essex Sts., Harrison, N. J.	-	
Northwest Chemical Co. 9310 Roselawn Ave., Detroit 4, Mich.	31	1
Norton Co.	20	ı
Oakite Products, Inc.	- 4	
18 Rector St., New York 6, N. Y. Park Chemical Co. 8074 Military, Detroit 4, Mich.	84	3
Penfield Mfg. Co., Inc. 34 High School Ave., Meriden, Conn.	- 113	
8074 Military, Detroit 4, Mich. Penfield Mfg. Co., Inc. 34 High School Ave., Meriden, Conn. Pennsylvania Salt Mfg. Co. 1000 Widener Bldg., Philadelphia 7, Pa.	-	
1755 N. Winnebago Ave. Chicago 47 III		
Permutit Co., The	21	
Pesco Plating Equipment Corp. 182 Grand St., New York 13, N. Y.	123	
Pesco Plating Equipment Corp. 182 Grand St., New York 13, N. Y. Pittsburgh Plate Glass Co. 3221 Frederick Ave., Baltimore 29, Md.	- 1	
	42	
Powers Regulator Co., The 3400 Oakton St., Skokie, III.	89	
Promat Div., Poor & Co. 851 S. Market St., Waukegan, III.	- 25	
Quinn Co., Nelson J. Toledo 7, Ohio	- 1	
Rampe Manufacturing Co. 3328 St. Clair Ave., Cleveland 14, Ohio	110	
Randall Mfg. Co., Inc. 801 Edgewater Road, Bronx 59, N. Y.	106	
Ransohoff, Inc. 5819 Vine St., Cincinnati 16, Ohio	99	
Rapid Electric Co. 2881 Middletown Road, Bronx 61, N. Y.	12	
Raybestos-Manhattan, Inc. Manhattan Rubber Div., Possaic, N. J.	39	
Richardson Allen Corp. 39-15 Main St., Flushing, N. Y.	91	
Roberts Rouge Co. 905 Longbrook Ave., Stratford, Conn.		
131 Canal St., New York 2, N. Y.		
131 Canal St., New York 2, N. Y. Sarco Company, Inc. Empire State Bldg., New York 1. N. Y.		
Schottner Mto Co	45	k
Schaffner Center, Emsworth, Pittsburgh 2, Schori Process Div., FerroCo Corp. 8-11 43rd Road, Long Island City 1, N. Y. Sel Ray Precious Matths.	34	ľ
Sel Rex Precious Metals, Inc. 229 Main St., Belleville 9, N. J.	9]	
Sethro	1 08	
78 Willoughby St., Brooklyn, N. Y. Seymour Mfg. Co., The Seymour, Conn.	17	
Seymour, Conn. Siefen J. J. Co. 5657 Lauderdale, Detroit 9, Mich.		
Philadelphia 37 Penna		
Singleton Company 10516 Western Avenue., Cleveland, Ohio Sommers Bros. Mfg. Co.	44	
Sommers Bros. Mfg. Co. 3439 No. Broadway, St. Louis 7, Mo.	116	
Sparkler Manufacturing Co. Mundelein, III.	71	
Special Chemicals Corp. 30 Irving Place, New York, N. Y.		
Standard Plating Rack Co. 1925 N. Paulina St., Chicago, III.	50	
Standard Supply Co.	104	
Detroit 16 Mich	15	
Storts Welding Co., Inc. 42 Stone St., Meriden, Conn. Stutz, Geo. A. Mfg. Co. 1643 Carroll Ave., Chicago 12, III. Sulphur Products Co., Inc. Greenshurg 7.	16	
Stutz, Geo. A. Mfg. Co. 1643 Carroll Ave., Chicago 12, III.	14	
Sulphur Products Co., Inc. Greensburg 7, Pa. Swift Industrial Chemical Co.	111	
Swift Industrial Chemical Co. Canton, Ohio Thermal Syndicate Ltd., The		
14 Bixley Heath, Lynbrook, N. Y.	110	
14 Bixley Heath, Lynbrook, N. Y.  Topper Equipment Co. 120 Central Ave., Clark Township (Rahway),	NJ	
Tramer Co., The Gilbert 1217 Main Ave., Cleveland 13, Ohio	97	
Trerice Co., H. O. 1420 W. Lafayette, Detroit 16, Mich.		
True-Brite Chemical Products P. O. Box 31, Oakville, Conn.	113	
True-Brite Chemical Products P. O. Box 31, Oakville, Conn.  Udylite Corp., The Detroit 11, Mich. Unit Process Assemblies, Inc. 75 East 4th St., New York, N. Y.	35	
75 East 4th St., New York, N. Y.	115	
United Chromium, Inc. 100 East 42nd St., New York 17, N. Y. U. S. Galvanizing & Plating Equipment Corp. 31 Hayward St., Brooklyn, N. Y. U. S. Stoneware Co.	16	
31 Hayward St., Brooklyn, N. Y.	70	
Van Dorn Iron Works Co. Lucation Div		
Z691 East 79th St., Cleveland 4, Ohio Vic Cleaning Machine Co.		
1313 Howthorne Ave., Minneapolis, Minn. Wagner Bros., Inc. 37,	115	
418 Midland Detroit 3 Mich	28	
Wallace & Tiernan Co., Inc. Newark 1, N. J. Williamsville Buff Division,		
Danielson Conn	111.	
Wire Coating & Manufacturing Co. 395 E. 131st St., Cleveland 8, Ohio Worklon, Inc. 253 W. 28th St., New York 1, N. Y.	1	
Worklon, Inc. 253 W. 28th St., New York 1 N. Y		
Wyandotte, Mich.	91	
Zialite Corp.		

PALMER

RED A

FINE